Planet Passionate Report 2025

Contents

About this Report

This is Kingspan Group PLC's ("Kingspan") sixth annual Planet Passionate report (the "Report"), which covers the period 01.01.2025 to 31.12.2025 and was published in February 2026. The aim of this report is to place emphasis on Planet Passionate – our flagship environmental sustainability programme. More detailed information about our sustainability performance, including among others, our material Impacts, Risks and Opportunities (IROs) on people and the environment and the material effects of sustainability matters on our performance are available in the CSRD Sustainability Statement section of our Annual Report.

Reporting boundary and acquisitions
The Report covers all entities that are fully consolidated in our financial statements, excluding acquisitions made after 30th September 2025. Acquisitive growth is an important element of Kingspan's development strategy. Acquisitions, all of which align with our strategic criteria, undergo extensive integration procedures and are supported by the Group Sustainability team for performance improvements post-acquisition. This extends to our Planet Passionate programme; all acquisitions are expected to help us meet our ambitious targets.

Through our continuous development of innovative and proprietary technology, we have created a portfolio of products which create value across a number of key metrics. Critically, the differentiated thermal performance of our innovative solutions enables design teams, architects and ultimately our customers to play their part in tackling climate change.

Internal controls and external assurance
Kingspan is committed to presenting accurate and reliable information. To this end, we not only have established an internal review process of all relevant environmental data but we have also sought independent, external assurance for several Key Performance Indicators (KPIs), including our greenhouse gas (GHG) emissions, and our total energy use. The results of this engagement can be found in the external assurance statement (page 63). Any restatements of information are clearly highlighted in the relevant sections.

Feedback
For any enquiries, comments or recommendations about the Report or any other issues pertaining to Kingspan's approach to sustainability, please contact us at planetpassionate@kingspan.com.

Additional Publications

European Sustainability Reporting Standards (ESRS)
The sustainability information we disclosed in accordance with the ESRS is available in the relevant section of our 2025 Annual report.

Planet Passionate Report 2025 - Summary
The Report summary contains key data and highlights.

Kingspan – At a Glance

Founded and headquartered in Kingscourt, Co. Cavan, Ireland, Kingspan is a global business operating in over 80 countries and with over 29,000 employees.

Our business model and strategic pillars enable the ongoing conversion to high-performance building envelopes from outdated and inefficient methods of construction.

Through our continuous development of innovative and proprietary technology,we have created a portfolio of products which create value across a number of key metrics. Critically, through the differentiated thermal performance of our innovative solutions, we help design teams, architects and ultimately our customers play their part in tackling climate change.

80+ Countries	€9.2bn Revenue
2 Operating Segments	€955.1m Trading Profit
278 Manufacturing Sites	40% EU Taxonomy Revenue Aligned
29,000+ Employees	€79.6m Investment in Innovation

Progress Across our Value Chain | 2020-2025

We are delighted to showcase the progress we have achieved, not just in 2025, but throughout our Planet Passionate journey. To every colleague who has contributed to our ongoing success – thank you for being the heart of our mission!

600+
Planet Passionate projects since 2020

Raw Materials

24%
Reduction in scope 3 GHG emissions

1.05
Million tonnes of recycled and renewable raw materials

Own Operations

70%
Reduction in scope 1 and 2 GHG emissions

1,750+
GWh renewable energy generated

Products

35
Lower Embodied Carbon (LEC) products launched

2
Product lines converted to LEC

End-of-life

10
Product takeback and recycling schemes

5,500+
Tonnes recovered from takeback and recycling schemes

Communities

390+
Projects in our local communities

157
Tonnes Ocean plastic recovered

Note: For definitions and boundaries of certain metrics on this page, see Appendix 1.

A Message from our CEO

With 2025 being recorded as the third warmest year in history and global temperatures now consistently exceeding 1.5°C above pre-industrial levels, the imperative for decisive climate action has never been clearer. Yet, we are witnessing a concerning lack of momentum and focus at a time when leadership and commitment are most needed.

This year marks the halfway point of our ambitious 10-year Planet Passionate programme and I am pleased to introduce our sixth Planet Passionate Report, which showcases our progress and key milestones achieved in 2025. I am proud of what we have accomplished — not just within our own operations, but also in collaboration with suppliers, bringing to market our innovative Lower Embodied Carbon (LEC) product range which supports customers to reduce both the operational and embodied carbon of their buildings.

To date, we have completed over 600 projects across our operations and value chain, reducing scope 1 and 2 GHG emissions by 70% and scope 3 emissions by 24%, including organic growth and acquisitions. At our manufacturing sites, our use of renewable energy now stands at 63%, with 45% produced on site. We've also significantly increased our use of recycled and renewable materials and expanded rainwater harvesting capacity to 68 million litres annually, keeping us on track for our 2030 targets.

Our supply chain decarbonisation journey continues to advance. This year, we increased our procurement of Lower Embodied Carbon materials by 30% and we have signed four new memoranda of understanding with lower-carbon steel suppliers across Europe, Asia, and the Middle East.

These efforts have enabled us to expand our LEC product range to 35 products spanning insulated panels, data solutions, daylighting, and structural portfolios. Achieved through the collaborative efforts of our R&D, procurement, and sustainability teams who consistently seek out new material collaborative opportunities to help us further decarbonise our offering whilst maintaining their high performance.

We continue to be actively engaged with our local communities, with over 390 communities initiatives completed through our philanthropic arm, Planet Passionate Communities.

Our conservation partnerships also matter greatly to us. This year, we joined forces with The Big Life to help protect East Africa's Greater Amboseli ecosystem and Seven Clean Seas to help combat ocean-bound plastic pollution in Southeast Asia.

Reflecting on the progress so far, I sincerely thank all our global teams for their dedication and commitment to delivering our Planet Passionate vision. I would also like to thank our suppliers and customers for their ongoing collaboration and partnership, which are both essential to advancing our mission to accelerate the transition to a net zero built environment.

As we move into the second half of the programme, our resolve to accelerate progress remains strong. I invite you to explore this Report and see that Planet Passionate is not just a set of targets, but at the heart of who we are.

Gene Murtagh
Kingspan Group PLC

Our Business Model

Our mission is to accelerate a net zero emissions built environment with people and planet at its heart.

Our Strategic Pillars

Our business model and strategy are enabling the transition from outdated, inefficient methods of construction to ultra-performance building envelopes.

Planet Passionate

Planet Passionate
Planet Passionate is Kingspan's environmental sustainability programme which aims to help tackle three big global challenges – climate change, circularity and protection of the natural world.

Innovation

Innovation
Kingspan's innovation agenda is driven across four key themes - performance, solutions, sustainability and digitalisation.

Completing the Envelope

Completing the Envelope
Our strategy of Completing the Envelope aims to take our innovation and sustainability DNA and apply them to a wider portfolio of products which are complementary to our current offering.

Global

Global
Kingspan is a truly global business, trading in over 80 countries with manufacturing sites across the globe.

Our Strategic Goals

Our strategic goals are aligned with our mission to accelerate a net zero emissions built environment with people and planet at its heart.

To advance materials, building systems and digital technologies to address issues such as climate change, circularity and the protection of our natural world.

To be the world's leading provider of low energy building envelopes – Insulate and Generate.

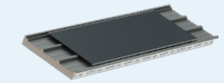
To expand globally, bringing high-performance building envelope solutions to markets which are at an earlier stage in the evolution of sustainable and efficient building methods.

Our Solutions

Conserve energy and reduce carbon emissions

Insulated Building Envelopes
Kingspan's Insulated Building Envelopes (previously Insulated Panels, Insulation and Roofing + Waterproofing) segment is a global leader in advanced energy saving solutions for roofs, walls and floors, delivering high-performance building solutions for energy efficiency in both new build and renovation applications across all building types.

PowerPanel®



Quadcore LEC®

Derbicoat NT

Advnsys
Advnsys (previously Data Solutions and Light, Air + Water) is a global leader in bespoke critical infrastructure solutions, primarily focused on data centres, ventilation and daylighting. It designs and manufactures high-performance systems that deliver energy-efficient lighting, airflow, cooling and ventilation for both new build and renovation projects in data centres and commercial buildings.

Kilon LEC Multiwall

RMG 600+

Hot Aisle Containment (HAC)

Our Approach to Sustainability

For us it is clear, we must find ways to grow our business while minimising negative environmental impacts.

The built environment has an important role to play in combatting both climate change and environmental degradation, and we pledge to play our part. In practice, this means addressing our most material impacts at pace. Our scope spans across our value chain 'from raw materials to end of product use'. This value chain includes many forms of capital, from the vital natural resources needed to manufacture our products, through to the financial capital raised from the sale of these products.

We must also continue to innovate and enhance the environmental performance of our products to help support the urgent acceleration of net zero carbon buildings, both new and existing, at scale.

Supporting the SDGs

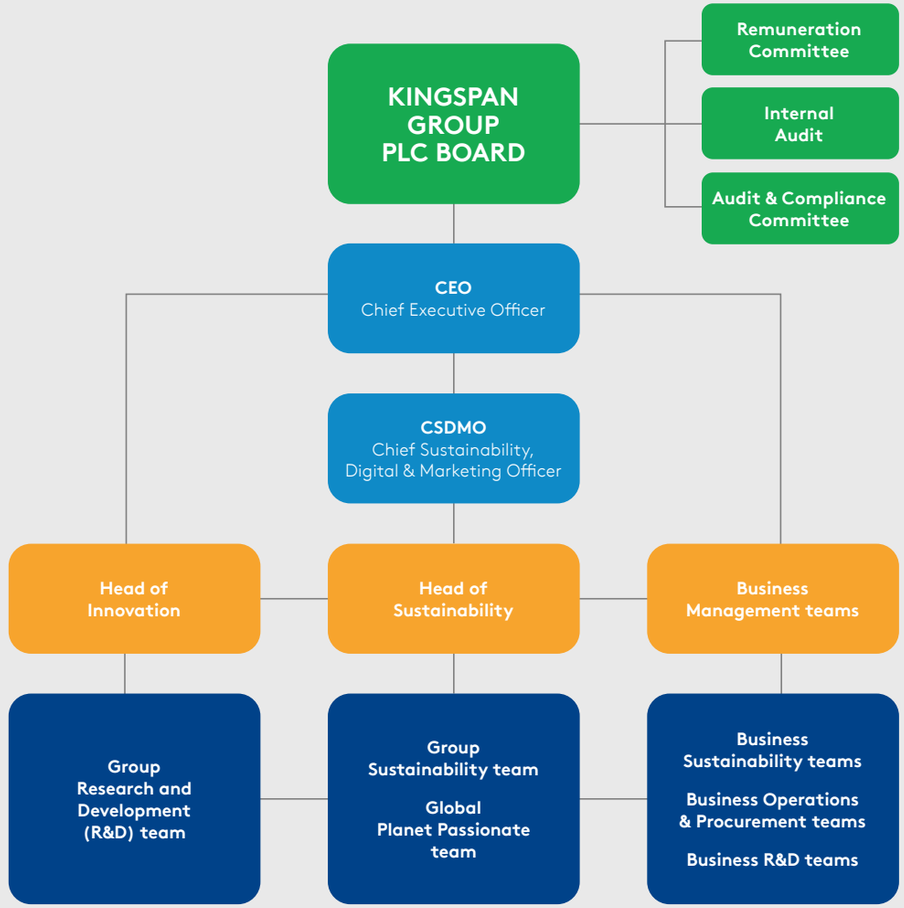
Kingspan aims to support the UN's Sustainable Development Goals (SDGs) through development of solutions that enable building owners to consume less resources. We do this whilst also driving our Planet Passionate vision, which aims to advance our environmental performance across the areas of carbon, energy, circularity and water.

SDGs that are most closely linked to Kingspan's operations:

SUSTAINABLE DEVELOPMENT GOALS

Sustainability oversight and management

The Chief Sustainability, Digital & Marketing Officer (CSDMO) reports directly to the CEO and the Group Board annually on, among other things, progress against our Planet Passionate targets. The Head of Sustainability, who reports directly to the CSDMO, is responsible for the development, management, and oversight of key environmental initiatives across the global business.



PLANET PASSIONATE

At Kingspan, our mission is to accelerate the transition to a net zero emissions built environment, with people and planet at its heart. This mission is driven by our comprehensive global environmental sustainability programme which sets ambitious targets across four key focus areas: Carbon, Energy, Circularity and Water.

Through this programme, we aim to address three major global challenges: climate change, circularity, and protection of the natural world.

We believe that advanced materials, building systems, and digital technologies are crucial in addressing these global challenges, and we are committed to playing our part. By partnering with industry and leveraging our innovation strategy, we aim to support and accelerate the transition to a resource-efficient future, powered by renewable energy.

Our strategic pillars:

- Planet Passionate
- Innovation
- Completing the Envelope
- Global

Photo Credit: Big Life Foundation

Planet Passionate | Where Strategy Meets Action

Planet Passionate is not just a set of environmental targets; it is a pillar of our strategy and is deeply embedded in the way we operate. See below how Planet Passionate has permeated every facet of our business.

Finance

Environmental performance embedded into remuneration

Planet Passionate is embedded in Kingspan's Performance Share Plan (PSP) framework. The measure is based on several Planet Passionate targets.

€750m
Green Private Placement

The Private Placement has embedded pricing mechanisms that reduce the cost of borrowing where Kingspan achieves Planet Passionate targets.

70 €/tCO₂e
Internal carbon price

Introduced in 2023, the charge on scope 1 and 2 energy related GHG emissions has helped to further incentivise the rapid deployment of decarbonisation projects.

Management

Quarterly meetings

Our Global Planet Passionate team meets on a quarterly basis to discuss progress and to facilitate peer-to-peer learning.

Acquisition screening procedure

We screen acquisition prospects to make sure they align with our strategic goals. The screening process includes a set of Planet Passionate criteria.

Supplier engagement & collaboration programme

We actively engage with our key raw material suppliers on climate change topics. Engagement focuses on data collection and product decarbonisation roadmaps.

People

150+
Global team

More than 150 people across our operations help us champion the Planet Passionate ethos both internally and externally.

Champions network & education programme

Our business Communication Champions help to disseminate Planet Passionate updates to everyone in the Group and our education programme helps to continually inform our colleagues on relevant topics.

Planet Passionate Communities

Planet Passionate Communities is the philanthropic arm of the Planet Passionate programme. It is designed to support our local communities in implementing environmental and wellbeing projects (for more info see page 50).

A message from our Chief Sustainability, Digital and Marketing Officer

"Planet Passionate is more than a programme; it is embedded at the heart of our people, our operations, and our products. It is an ambitious commitment to reducing the environmental impacts of our operations and upstream supply chain, while innovating and bringing new solutions to market at pace that help lower both the operational and embodied carbon of buildings.

The built environment accounts for 37% of global energy-related greenhouse gas emissions. It is therefore critical that we address emissions within our sector as quickly as possible. Yet progress is not happening fast enough to match the urgency of the challenge we face.

Planet Passionate is our commitment to turning ambition into action. We have made significant progress towards our 2030 targets, a testament to the dedication and hard work of our teams around the world. While we are proud of what has been achieved so far, we recognise that there is still much to do in the second half of the programme to accelerate impact, scale our solutions, and help drive lasting change in our industry."

Bianca Wong
Chief Sustainability, Digital and Marketing Officer
Kingspan Group

Planet Passionate | How We Create Value

PLANET PASSIONATE GOAL

Our goal is to reduce the environmental impact of our products while maintaining their high-performance, to help our customers reduce both the operational and embodied carbon of their buildings.

Raw Materials

Increasing the use of raw materials with reduced environmental impacts.

Key Inputs

Metal | Chemicals | Mineral fibre | Timber

1.05 m tonnes
Recycled and renewable raw materials in 2025

97% Of our biological raw materials are certified as sustainably sourced by PEFC or FSC.

Manufacturing

Decarbonising our manufacturing facilities through energy efficiency and renewable energy generation and procurement.

63% Renewable energy use

61% of wholly owned sites have Solar PV

"Using less energy, and using it more efficiently, continues to underpin our decarbonisation strategy. This approach delivers reliable emissions reductions and reinforces our commitment to high-performance, low-carbon operations."

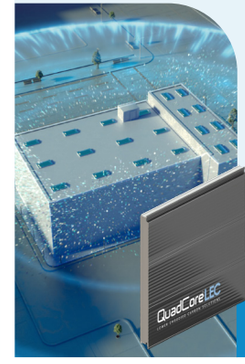
Mark Harris
Business Technical Director
Insulated Panels EAA
Planet Passionate Chairperson

Products

Development of products with improved environmental credentials, such as reduced embodied carbon and increased recycled content.

35 LEC products

10 Takeback and recycling schemes facilitated in 2025



LEC Product Range
We have continued to roll out our LEC product range, including offerings across our insulated panels, structural, data solutions and daylighting products.

See more about our passion for products on page 40.

Buildings

Our products can contribute to the development of high-performance buildings with reduced environmental impacts.

Potential product impacts

219m tCO_2e
Estimated lifetime carbon savings from insulated systems sold in 2025

7.6m tCO_2e
Kingspan's 2025 value chain GHG emissions

3.3bn lumens
Our daylighting systems sold in 2025 create 3.3 billion lumens of natural light annually

>400K
Enough to light up over 400,000 homes[1]

39.8bn litres
Over 39.8 billion litres of rainwater will be harvested by our tanks produced in 2025

16,000
Enough water to fill nearly 16,000 Olympic swimming pools[2]

1.05m tonnes
We used 1.05 million tonnes of recycled and renewable content in the raw materials used to manufacture our products in 2025

2m
Comparable to the municipal waste produced by a city of c.2m people[3]

[1] Assumes 10 x 60W bulbs per home [2] Assumes a 20 year product life [3] Based on a c.0.5 tonnes per person pa, OECD average

We are Planet Passionate

We are continuously growing and evolving, working to accelerate progress towards a net zero emissions built environment. We can only achieve our Planet Passionate targets through collective effort; every company that joins the Group and every employee has a role to play.

Planet Passionate | Target Progress 2025

	2030 Planet Passionate Targets	2025 Position	Progress Towards Target
CARBON	65% reduction in scope 1 & 2 GHG emissions[1,2] from 2020 (%)	70%	100%
	15% reduction in carbon intensity from key raw materials from 2020 (%)	4%	27%
	≥90% zero emissions company cars[3] (annual replacement %)	97%	100%
ENERGY	60% renewable energy consumption (%)	63%	100%
	ISO 50001 certification for large sites[4] (%)	50%	50%
	Solar PV systems on all wholly owned sites (%)	61%	61%
CIRCULARITY	Zero waste to landfill[5] (%)	-6%	
	1.5 million tonnes recycled and renewable raw materials used annually (tonnes)	1.05 MT	70%
	Facilitate 20 product takeback and recycling schemes (no. of schemes)	10	50%
WATER	Harvest 100 million litres of rainwater annually (million litres)	57.3 ML	57.3%

[1] Excluding biogenic emissions. Scope 2 GHG emissions calculated using market-based methodology.
[2] GHG emissions were recalculated due to acquisitions that occurred in 2021 through to 30th September 2025.
[3] Kingspan defines a 'zero emissions car' as a vehicle with zero tailpipe emissions. The boundary does not include the energy used to power the vehicle or the embodied emissions from manufacturing.
[4] Large sites: Sites with ≥5GWh annual energy use during the prior year 2024.
[5] 90% reduction of waste to landfill in Kingspan manufacturing, R&D and assembly facilities from 2020 base year.

CARBON & ENERGY

We take our role seriously in the fight against climate change and the greatest impact we can have is to help enable the decarbonisation of both new and existing buildings around the world.

Climate change risks and opportunities are deeply embedded in our strategy, R&D investment, products and business model. Kingspan's core strategy is structured around the manufacture and delivery of a wide range of high-performance and energy and resource-efficient solutions.

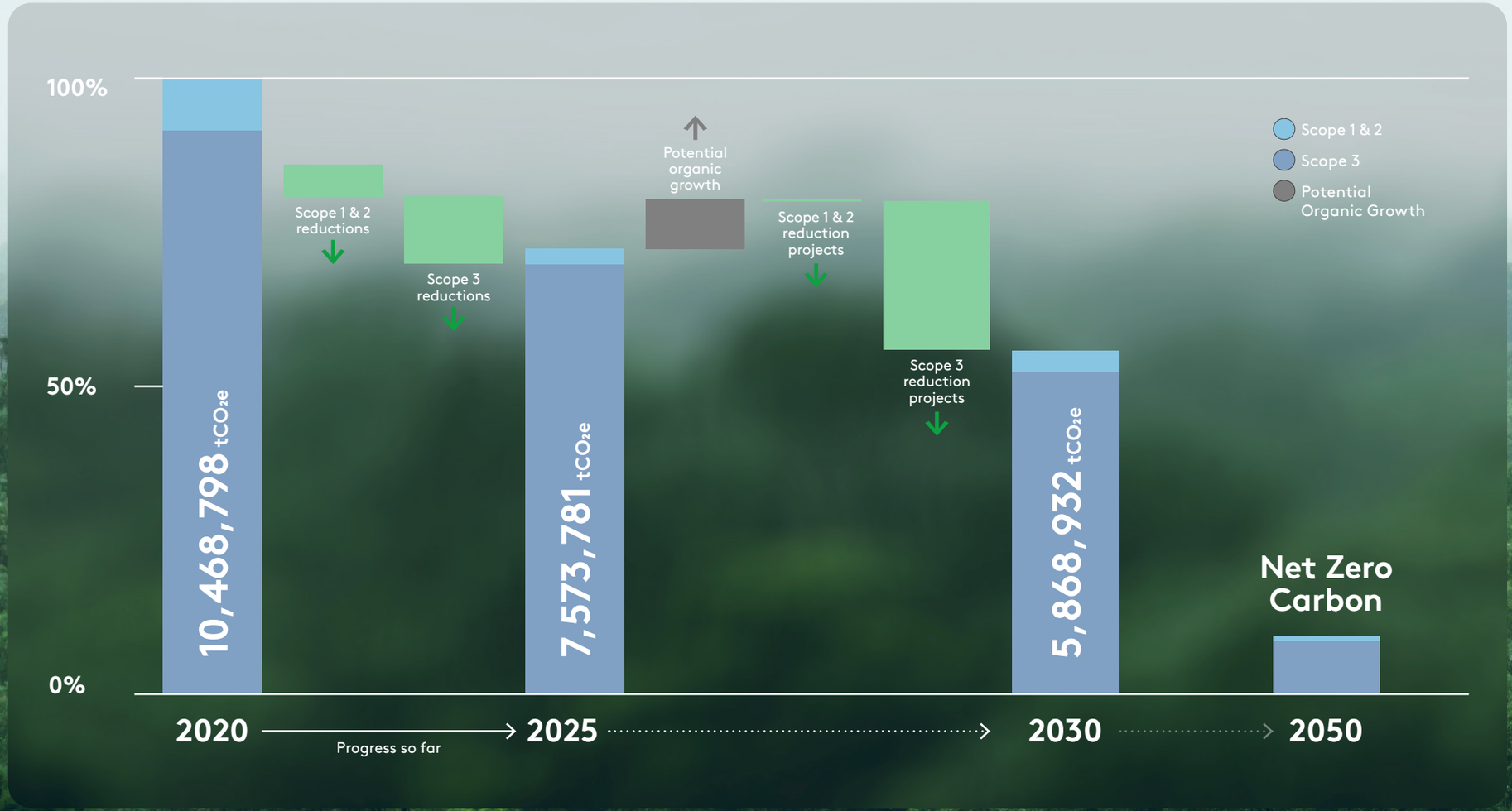
400+
Projects since 2020

620k+ tCO_2e
Reduction in scope 1 and 2 GHG emissions since 2020

63%
Renewable energy use in 2025

VILLERS-BOCAGE, FRANCE
JORIS IDE

Our Decarbonisation Roadmap



Scope 1 and 2 Decarbonisation Levers

- Energy Efficiency
- Process Improvement and Electrification
- Renewable Energy Contracts
- On-site Renewable Energy Generation
- Lower GWP Raw Materials

Scope 3 Decarbonisation Levers

- Data Collection & Reporting
- Supplier Engagement & Collaboration
- Development of Lower Environmental Impact Products

Our Transition Plan | Targets

1.5°C | Kingspan's 1.5°C aligned decarbonisation strategy outlines our approach to climate change mitigation and is supported by our GHG carbon reduction targets.

Our Targets

Own Operations (Scope 1 and 2 GHG emissions)

Since the start of the programme in 2020, we have achieved a 70% absolute reduction in scope 1 and 2 GHG emissions, reducing them to less than 4% of our total GHG emissions. As an acquisitive business, we have considered growth in our targets, and have made a commitment to reduce our GHG emissions 65% by 2030, including said acquisitions and organic growth.

Kingspan Group plc commits to reduce absolute scope 1 and 2 GHG emissions 65% by 2030 from a 2020 base year.*

SCIENCE BASED TARGETS | PLANET PASSIONATE

Upstream and Downstream Value Chain (Scope 3 GHG emissions)

Due to the nature of our business, the vast majority of our GHG emissions (96%) stems from our upstream and downstream value chain (also known as scope 3 GHG emissions). Over 90% of these emissions are related to our purchased goods and services.

To manage and mitigate our most material climate change impacts related to our scope 3 GHG emissions, we have set two reduction targets, one absolute and one intensity.

15% reduction in carbon intensity from key raw materials by 2030 from a 2020 base year.

Kingspan Group plc commits to reduce absolute scope 3 GHG emissions from purchased goods and services, fuel and energy related activities, use of sold products and end-of-life treatment of sold products 42% from a 2020 base year.*

SCIENCE BASED TARGETS | PLANET PASSIONATE

Net-Zero Target

In 2025, further demonstrating our decarbonisation ambition and commitment, we set a net-zero science-based target by 2050, which was verified by the SBTi.

Kingspan Group plc commits to reach net-zero greenhouse gas emissions across its value chain by 2050.

SCIENCE BASED TARGETS | THE NET ZERO STANDARD

*The target boundary includes land-related emissions and removals from bioenergy feedstocks.

Our progress | 2020-2025

We continued to make strong progress against our decarbonisation roadmap this year, beginning with reductions in scope 1 and 2 emissions driven by targeted energy-efficiency improvements and the expansion of onsite renewable generation. These operational measures form the foundation of our decarbonisation plan and demonstrate our commitment to lowering emissions within our direct control. Building on this, we intensified our focus on scope 3, where the majority of our carbon footprint lies, by deepening engagement with key suppliers to improve data quality, support capability building, and accelerate value-chain emissions reductions. This work is further reinforced by our new circular economy targets, which promote material efficiency, waste reduction, and more sustainable product lifecycles. Together, these initiatives reflect a comprehensive, value-chain-wide approach to decarbonisation.

70%
Absolute reduction in scope 1 & 2 GHG emissions since 2020

24%
Absolute reduction in scope 3 GHG emissions since 2020

Our Decarbonisation Levers | Own Operations

We aim to continue reducing our scope 1 and 2 GHG emissions by further implementing projects and initiatives under the following decarbonisation levers.

Energy Efficiency

A key element of our decarbonisation strategy is to reduce the energy intensity of our operations, whilst also increasing generation and procurement of renewable energy. In 2025, we completed over 52 energy efficiency projects across our Group.

400+

Decarbonisation projects within our operations since 2020

Process Improvement and Electrification

One of our priorities is to increase the use of renewable energy across our operations, supported by the electrification and/or improvement of key processes. Electrifying our manufacturing processes is a critical step in reducing operational GHG emissions. By transitioning away from fossil fuels and increasing our use of renewable energy sources such as wind, solar, and renewable natural gas, we significantly reduce our scope 1 and 2 emissions while also lowering the embodied carbon of our products.

This includes transitioning our insulated panel lines, with 15 now operating on renewable electricity. Additionally, during the year we signed the world's first commercial contract for Iron Fuel Technology™ see page 17 for more information. We will continue to explore the availability of different technologies to accelerate the shift from using fossil fuels to electricity or alternative sources in our operations.

On-site Renewable Energy Generation

Increasing on-site renewable energy generation capacity is a priority for our business as we seek to increase our energy resilience and reduce both direct GHG emissions and long-term operational costs. We are deploying solutions to generate both renewable electricity and heat.

Renewable electricity generation:
As we have multiple manufacturing processes across our Group, we must assess each site individually and investigate the feasibility of potential on-site electricity generation options based on location, cost and viable technologies. We now have solar PV installed on 61% of our wholly owned sites.

Renewable heat generation:
We are actively investigating further applications of on-site generation of heat such as heat pumps, combined heat and power plants and ways of utilising biofuels on site to generate energy.

Renewable Energy Contracts

Renewable energy is becoming more widely available and, where possible, we are procuring it directly from our utility providers. In 2025, we expanded our procurement of renewable electricity in regions like North America, New Zealand and Australia, which have previously had limited availability of such products. Additionally, we secured renewable electricity contracts for our newly acquired sites wherever possible. We have also seen an increase in the availability of renewable fuel and secured renewable gas contracts in the United Kingdom, Germany and France.

We are also investigating Power Purchase Agreements (PPAs) for both renewable electricity and fuels, particularly in regions where other renewable energy procurement options are not yet available or do not meet our standards. There are a variety of PPA options available, which we are reviewing to determine if they are suitable to support our targets.

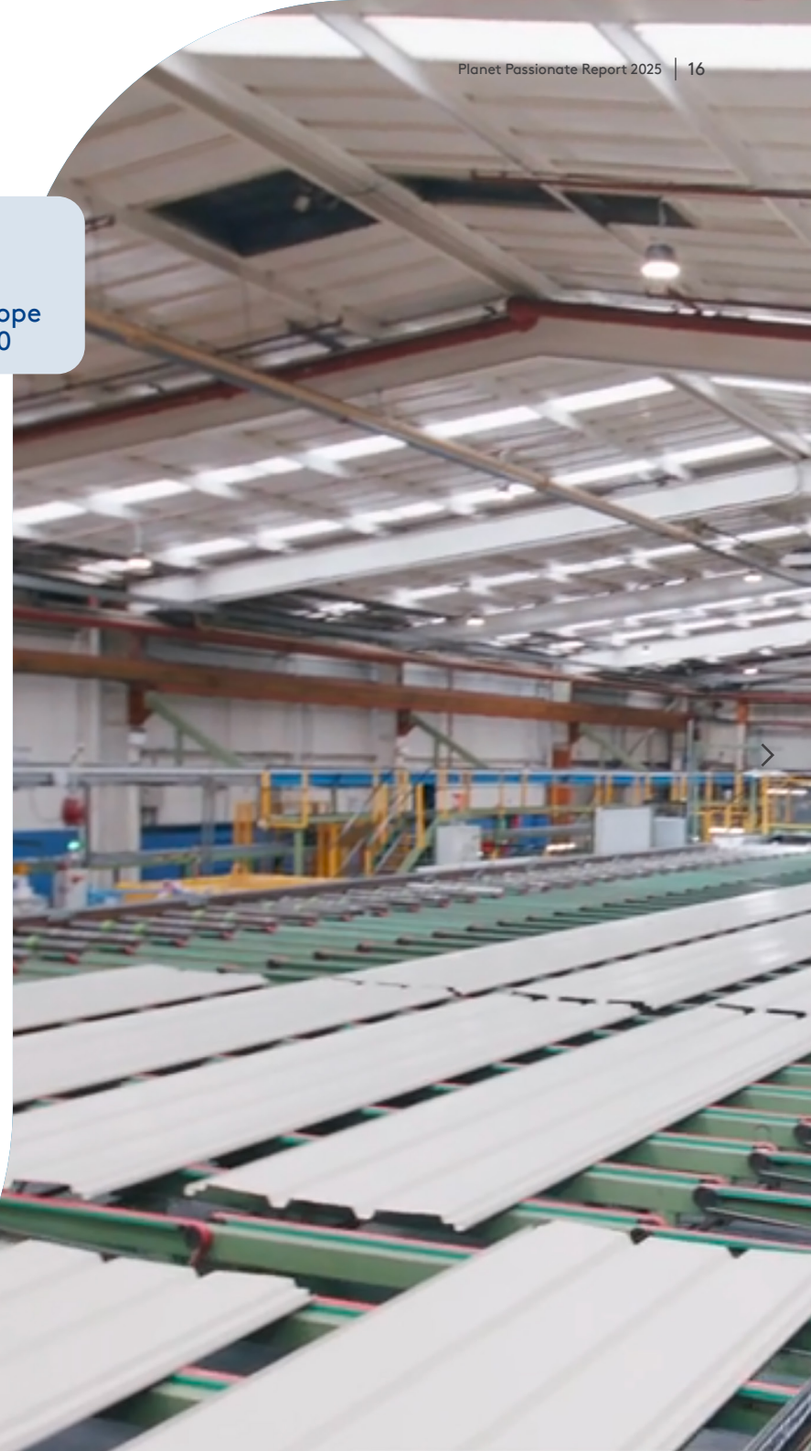
Lower GWP Raw Materials

Since 2020, we have made significant progress in reducing our process GHG emissions from the use of blowing agent substances. Going forward, we have ongoing plans to further reduce, substitute, or where possible eliminate the remaining minor use of high GWP blowing agents that are used in a small number of our sites.

Our Decarbonisation Levers | Value Chain

As we are a manufacturing business, the majority of our GHG emissions - 96% - originates in our upstream and downstream value chain, 90% of which is related to our purchased goods and services (or Category 1 scope 3 emissions). To advance our decarbonisation efforts, we are focusing on reducing these emissions by implementing targeted initiatives under the key levers below.

24%
Absolute reduction in scope 3 GHG emissions vs. 2020



Data Collection and Reporting

Improved data collection and reporting is critical to the reporting and management of scope 3 emissions. Under this lever, we focus on gathering more detailed product- and supplier-specific emissions information. We continuously enhance the accuracy of our scope 3 emissions reporting to better support strategic decision-making.

These improvements include both internal processes and external collaborations with suppliers. In 2025, our primary focus was on strengthening internal capabilities and systems to bolster the accuracy and reliability of our emissions data. This will allow us to confidently expand our supplier engagement and decarbonisation.

79%
Category 1 scope 3 GHG emissions calculated using physical emissions factors

Supplier Engagement and Collaboration

Our active engagement with key raw material suppliers is focused on decarbonisation roadmaps and the development of lower embodied carbon raw materials. In 2025, we held more than 150 meetings with internal teams and supply partners to address decarbonisation challenges and opportunities. These discussions have enabled us to gather additional company and product-level roadmaps and deepen our understanding of value-chain emissions. Through this engagement programme, we aim to continue to identify collaboration opportunities and share knowledge, resources, and expertise to accelerate progress.

63%
Of emissions related to our raw materials covered by our supplier engagement programme

Development of Lower Environmental Impact Products

Our sustainability and innovation strategies focus on reducing the environmental footprint of our existing products while also bringing new LEC solutions to market. We aim to achieve this through the increased use of lower embodied carbon raw materials and the incorporation of bio-based solutions in our product range.

Kingspan has launched a product range, focused on LEC products, which provides a market for the use of LEC raw materials. Further development and expansion of this product range is a key lever in reducing the emissions related to our raw materials.

In 2025, we launched 18 new products with improved environmental performance, creating demand for these products and expanding the upstream market for lower embodied carbon raw materials. See Product Passionate section for more information.

35
Lower Embodied Carbon (LEC) products launched to date

Decarbonisation Projects | Case Studies & Highlights

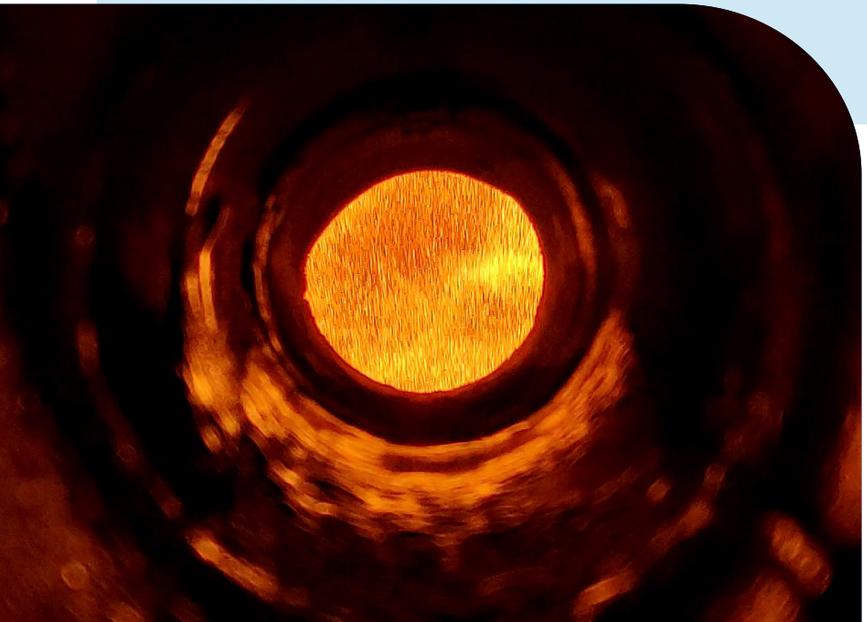
RIFT – Iron Fuel Technology™

Kingspan Unidek

Process Improvement and Electrification

Kingspan Unidek has partnered with Dutch clean-tech developer RIFT to pioneer the world's first commercial use of Iron Fuel Technology™, marking a major milestone toward gas-free production. Through this collaboration, RIFT will supply both an Iron Fuel boiler and the Iron Fuel itself; an innovative, circular energy source that uses iron powder to generate high-temperature heat without direct CO_2 emissions.

The residual iron oxide can be regenerated with green hydrogen, creating a closed-loop system. This partnership supports Kingspan's Planet Passionate sustainability programme and will help reduce the company's gas consumption and Scope 1 GHG emissions, setting a powerful example for the wider industry. The first Iron Fuel boiler is expected to be operational by 2028, starting at Kingspan Unidek's Gemert site.



"For us, this isn't just about reducing emissions, it's about proving that industry can change and about shaping the future of heat."

Henri Hendriks
Manager Facilities & Engineering
Kingspan Unidek

Decarbonisation Projects | Case Studies & Highlights

LED Installation

St Paul, United States
Data Solutions

Energy Efficiency

A project to replace traditional lighting fixtures with an energy-efficient high bay lighting system was completed in 2025 at Tate's St. Paul, Virginia manufacturing facility. The project is already delivering substantial energy savings, reducing energy usage for lighting by an estimated 0.6 GWh per year. In addition to reducing total energy use, the upgrade also reduced the facility's maximum power demand. Adding motion sensors further improved efficiency by ensuring lights operate only when needed, eliminating unnecessary energy use during downtime.

"It's great to see Planet Passionate projects like this delivered, particularly as this makes financial sense in that we not only reduce carbon emissions but also reduce our electricity costs by circa 30% per annum."

Conor Moloney
President
Tate Americas

Smart Meters

Gilford Road, United Kingdom
Light, Air + Water

Energy Efficiency

Kingspan Water and Safe Storage installed Watchman Energy, its proprietary real-time monitoring platform, at its Portadown headquarters to track gas and electricity use across individual rotational moulding machines. Smart meters feed live data into a dashboard that compares consumption against expected kW output, enabling the team to process products at minimum energy levels while immediately detecting and correcting usage spikes. The system guides targeted optimisation including machine selection, insulation improvements, frame modifications, and material trials to reduce energy waste. This installation represents a significant step towards achieving ISO 50001 Energy Management certification.

ISO 50001 Certification

Rokietnica (Poznań), Poland
Light, Air + Water

Energy Efficiency

In December 2025, the Kingspan Water & Energy manufacturing site in Rokietnica, Poland, obtained ISO 50001 certification, confirming the implementation of a structured Energy Management System (EnMS). ISO 50001 provides an internationally recognised framework to systematically monitor, analyse, and improve energy performance.

The site has established a 2024 electricity baseline, defined Energy Performance Indicators, and implemented action plans to improve efficiency across its operations. Since establishing the baseline, the site has achieved a 1.2% reduction in electricity consumption through initiatives including optimisation of equipment operation and upgrades to energy-efficient technologies such as LED lighting.

This certification ensures energy performance is systematically monitored and reviewed to support ongoing improvement.

"Achieving ISO 50001 reflects our team's long-term commitment to responsible energy management. It is not a one-off milestone, but an ongoing process that supports operational efficiency and the wider Planet Passionate goals."

Magdalena Zerbe-Łukawska
Site Manager
Kingspan Water & Safe Storage
Light, Air + Water

Decarbonisation Projects | Case Studies & Highlights

Hydro Powered Turbine and Bio LPG Conversion

Askeaton, Ireland
Insulation

On-site Renewable Energy Generation

Renewable Energy Contracts

Hydro Powered Turbine

As the only hydro generator within our business, this facility plays a unique role in our renewable energy portfolio. In response to evolving biodiversity legislation, they completed a comprehensive upgrade to ensure regulatory compliance and enhance environmental performance. The modernisation introduced advanced flow management and design improvements to protect aquatic life, enabling the facility to generate up to 0.22 GWh annually while minimising ecological impact. This initiative reflects their commitment to responsible energy generation and demonstrates how innovation and environmental stewardship can work together to deliver lasting benefits for both nature and business.

Bio LPG Conversion

In May 2025, the site switched from LPG to BioLPG, a drop-in alternative requiring no infrastructure changes. This transition cut LPG-related carbon emissions by 1,884 tCO_2e annually and delivered a €60,000 net P&L benefit by offsetting BioLPG's price premium against the Group's internal carbon charge. The move will significantly reduce the site's environmental impact while supporting cost efficiency.

"Our transition from conventional LPG to BioLPG reflects our commitment to meaningful carbon reduction and long-term sustainability. BioLPG enables us to maintain the same reliability and performance in our operations while significantly cutting our carbon footprint. This project demonstrates that environmental responsibility and operational efficiency can go hand in hand, and we're proud to be leading the way toward a lower-carbon future."

Jacqueline Leahy
Operations Manager
Insulation

Insulated Panel Line Electrification

Insulated Panel Businesses

Process Improvement and Electrification

After achieving significant carbon reductions through electricity and fuel-switching projects across our businesses since 2020, we have turned our attention to the fossil fuel use in our insulated panel manufacturing processes. In 2025, we electrified four laminators across our insulated panel sites, transitioning them from natural gas and diesel to renewable electricity, further reducing our operational GHG emissions. Driven by local teams and executed site by site, this transformation will help us achieve annual savings of 594 tCO_2e representing a major step forward in decarbonising our operations.

15
Laminators electrified to date

Decarbonisation Projects | Case Studies & Highlights

Solar PV Installation

Lake Forest, United States
Light, Air + Water

On-site Renewable Energy Generation

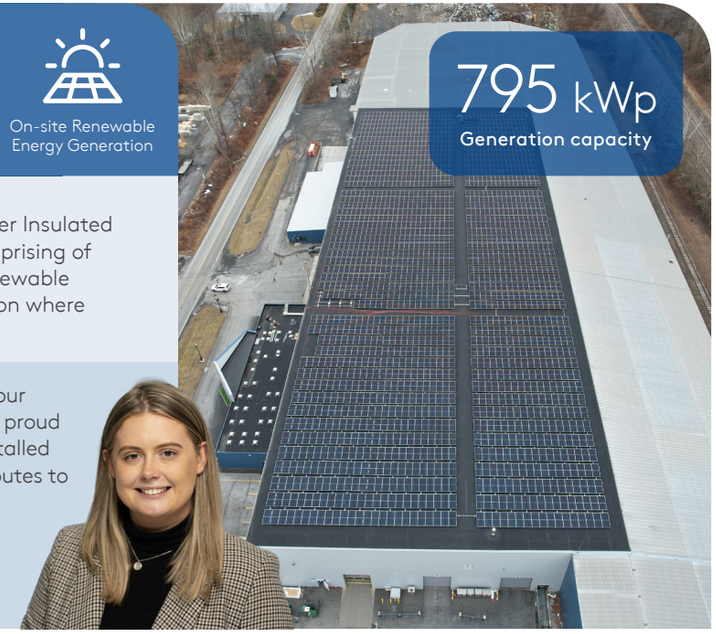
"This installation represents more than just clean energy generation, it's a commitment to long-term energy resilience, and responsible growth. By investing in renewable power, we're not only reducing our impact on the planet but also securing a more efficient and sustainable future for our operations."

Jason Weber
VP of Operations for Kingspan Fenestration.
Light, Air + Water

Solar PV Installation

East Stroudsburg, United States
AWIP

On-site Renewable Energy Generation



In 2025, the East Stroudsburg site, part of the All Weather Insulated Panels (AWIP) business, installed a Solar PV system comprising of 1,976 PV modules. Expecting to generate 1.3 GWh of renewable energy annually, this project safeguards supply in a region where sourcing and scaling renewables can be challenging.

"The solar install represents meaningful progress toward our Planet Passionate commitments and is a milestone we're proud of. All Weather Insulated Panels (AWIP) now has solar installed at 100% of wholly owned facilities. This install also contributes to our on-site generation and renewable energy journey."

Maggie Woods
Sustainability Manager
AWIP

Solar PV Installation

Vester Alle, Denmark
Roofing + Waterproofing

On-site Renewable Energy Generation

The site has completed the installation of solar panels on its rooftops, enabling it to generate approximately 400,000 kWh of renewable energy annually, covering around 20% of its total consumption. This investment reduces the site's reliance on gas and strengthens its role in the green transition. It also provides a stable, future-proof energy supply that benefits both the environment and the business.

Decarbonisation Projects | Case Studies & Highlights

Solar PV Extensions

Insulated Panels, CEME & Joris Ide

On-site Renewable Energy Generation

In April 2025, Lipsko successfully implemented the extension of its photovoltaic system with an additional 412 kWp capacity. The system was designed to meet the site's maximum daily energy demand, enhancing energy resilience and reducing operational costs.

412 kWp
Additional capacity

1,115 kWp
Additional capacity

"With this new PV capacity, Isometall now reaches a total installed capacity of 1.36 MW. During sunny periods, this generation allows us to be fully electric and energy self-sufficient in our operations. Next to that, this project is fully aligned with our decarbonisation strategy. As Operations Manager, I am proud to contribute to the transition toward a more sustainable future."

Nicolas Massart
Operations Manager Isometall Joris Ide

Biomethane Contract

Euroclad Cardiff Insulated Panels, EAA

Renewable Energy Contracts

In April 2025, the Euroclad Cardiff site transitioned from natural gas to biogas. The biogas now being purchased is certified through the ISCC and carries an impressive carbon intensity score of -12.4 gCO_2/MJ, meaning it actively reduces emissions compared to fossil alternatives. Alongside this switch, the site implemented substantial energy efficiency improvements, including control system upgrades and enhanced laminator housing, further reducing overall energy consumption.

"As part of our journey toward net zero carbon manufacturing, switching to biogas will have a major impact in reducing carbon in our operations. In 2024, heating the laminator oven with natural gas accounted for 66.5% of our total emissions ~ 208 tCO_2e."

Daniel Angell
Environmental and Sustainability Advisor Insulated Panels, EAA

Renewable Electricity Contracts

Joris Ide

Renewable Energy Contracts

In 2025, Joris Ide secured renewable electricity contracts for six new sites (acquired during the year). The sites include Saue, Estonia (Toode) and four sites in Finland: Nurmijarvi, Seinajoki, Tampere, and Turku (Janla Oy). The switch from non-renewable to renewable in Toode and Janla will result in an estimated annual carbon savings of just over 500 tCO_2e.

Decarbonisation Projects | Case Studies & Highlights

Supplier Engagement Programme

Supplier Engagement & Collaboration

The construction sector has one of the largest global carbon footprints and must adopt innovative lower-carbon solutions without sacrificing performance, efficiency, or quality. Most of our value chain emissions come from purchased goods and services, especially the raw materials used to manufacture our products, and reducing the carbon intensity of these key raw materials is critical to our strategy. We are actively working with our suppliers on absolute carbon reductions across our value chain, engaging them in collaborative decarbonisation initiatives to drive measurable progress towards this target.

In this context, lower-carbon steel is a fundamental pillar for achieving our decarbonisation goals and more sustainable buildings. Our early strategic investment in green steel manufacturing in 2021 made us the first building materials company to directly support the development of this emerging technology. In 2025, we reinforced this commitment by signing four MOUs with suppliers in Europe, Asia and the Middle East. Collaborations like these represent an important step forward in our strategy to procure lower-carbon steel at scale. They support our Planet Passionate Programme by driving emissions reductions and enabling us to better serve customers across our global supply chain over the long term.

Within Planet Passionate, Kingspan has set a target to achieve a 15% reduction in product CO_2e intensity from primary supply partners by 2030. We continue to work with our partners to pursue and make sure that we are addressing the most pertinent materials across our entire supply chain. Starting in 2019, we set up a supplier forum where we invite key suppliers to our IKON innovation centre. With senior management from both our suppliers and from Kingspan, we communicate our strategy to 2030, our decarbonisation plan, what progress we are making and where we need to get support. We believe that developing our decarbonisation journey together with our supply chain partners is fundamental to ensure that we can buy significant quantities at scale that is able to have a real impact.

The overarching goal is to enhance the environmental performance of our products through our Planet Passionate programme and we have already made strong progress having expanded our LEC range of products this year. Kingspan's flagship insulation and insulated panel products have long contributed to improving the energy efficiency in buildings and we must strive to help contribute to the decarbonisation of the construction industry overall.

Supplier Environmental Due Diligence

Supplier Engagement & Collaboration

We assess our supply chain sustainability through an independent third-party rating platform that evaluates suppliers across environmental, ethics, labour & human rights, and sustainable procurement criteria. This generates a company scorecard with an overall ESG performance rating. In 2025, we improved our performance across key supplier engagement and collaboration sustainability themes, achieving placement in the top 35% of rated companies.

30% Year on year increase in lower embodied carbon materials

"Supplier engagement is critical to achieving our raw material decarbonisation targets. By collaborating closely with our suppliers, we can innovate and deliver improved environmental products, driving increased demand for lower embodied carbon raw materials. In 2025, this has enabled us to increase procurement of lower embodied carbon raw materials by 30% year on year, helping us to make progress towards our targets and supporting the expansion of our LEC product range."

Holly Loughman
Head of Sustainability
Kingspan Group

Decarbonisation Projects | Case Studies & Highlights

Main Drivers & What's Next for the LEC Range

Development of Lower Environmental Impact Products

One of the overarching goals of Kingspan's Group-wide Planet Passionate programme is to enhance the environmental performance of our products. This driver has coincided with a growing global demand for products that support our customers to decarbonise their buildings, delivering tangible environmental benefits at a building level. The QuadCore LEC insulated panel was the first in our range of Lower embodied carbon products, brought to market in 2023. We have now launched multiple LEC products within the insulated panel range along with expanding into structural product offerings.

Significant developments in 2025 include the transition of certain architectural wall panels to LEC as the standard offering. This is a critical step in bringing LEC products into the mainstream. Hear more about our LEC journey from Phil Smith, Managing Director, Insulated Panels (UK + Ireland) in the video below.

Tate: Transition to LEC Products

Development of Lower Environmental Impact Products

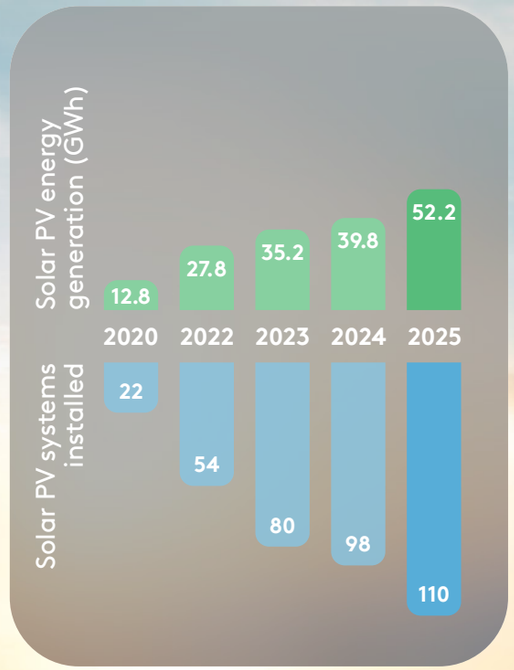
Bringing Tate Grid+ LEC to market marked another step forward in Tate's ambition towards ensuring all our ceiling products migrate to LEC solutions. Tate is at the forefront of driving LEC product development in line with our sustainability strategy which focuses on our ability to execute with responsibility, innovate to reduce environmental impact and to advance a lower-carbon future.

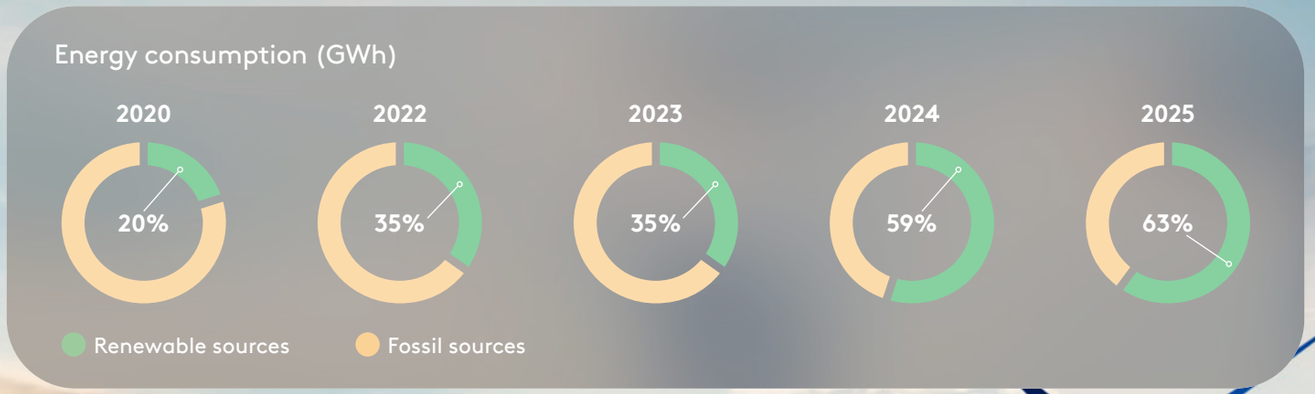
Our Tate Grid+ LEC structural ceiling solution achieves a 61% reduction in embodied carbon compared to our standard Tate Grid product. These products help us to establish a blueprint for creating lower embodied carbon solutions with enhanced environmental performance and our ambition is to convert all our product ranges to LEC to facilitate tangible building-level carbon savings for our customers.

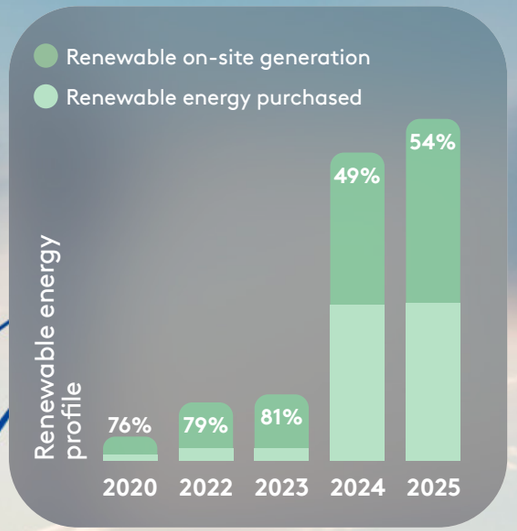
A key milestone in this journey achieved in 2025, has been the transition of all ceiling products manufactured in our Dublin site to LEC solutions.

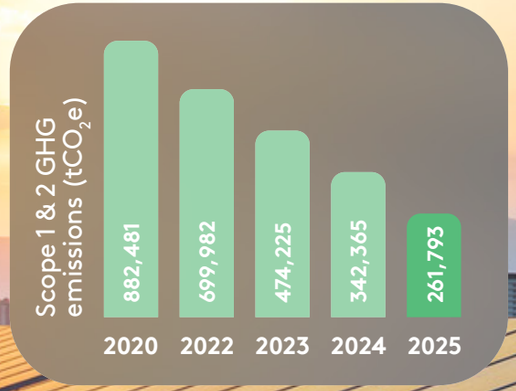
Our LEC range enables customers to realise tangible carbon savings at building level without compromising on technical performance. Tate is proud to provide innovative, lower embodied carbon products to our customers, and we're excited to see these solutions making a real difference on the ground.

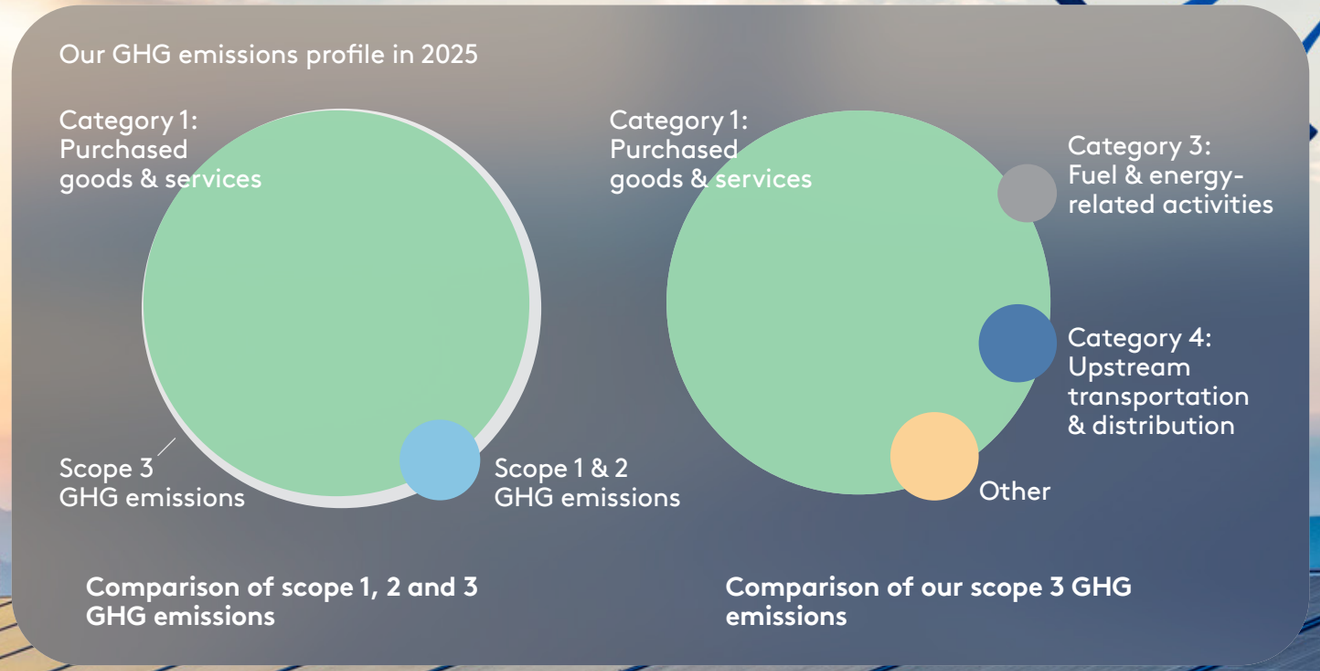
2025 Key Metrics and Highlights

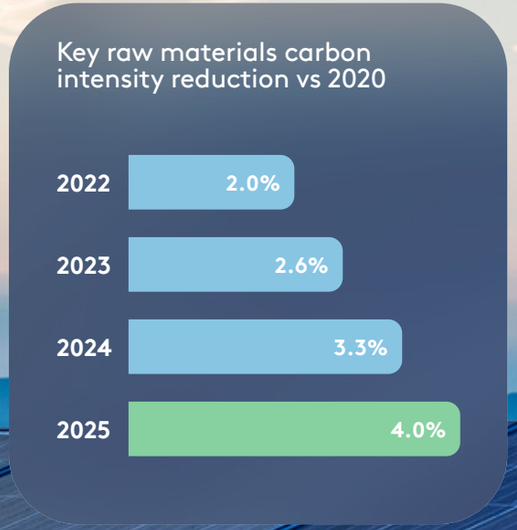












CIRCULARITY

106
Circularity projects to date

10
Product takeback and recycling schemes facilitated

1.05 m
Tonnes of recycled and renewable materials in 2025

The construction industry is the largest consumer of raw materials, accounting for approximately 38.8 billion[1] tonnes annually which results in 37% of global CO_2 emissions[2].

With only 7.2% of the world's economy operating in a circular model[3], humans are consuming resources at 1.8 times the Earth's regenerative capacity[4].

At Kingspan, we acknowledge the importance of transitioning to a circular economy as we move forward in our Programme with the objective of integrating circular economy principles into our business model to help us decouple economic growth from resource use.

We recognise circularity is an essential pillar to lowering embodied carbon, decreasing costs, and creating more resilience in supply chains which is why we employ our LIFECycle product framework to help integrate circularity principles across each stage of our product lifecycle.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
14 LIFE BELOW WATER
15 LIFE ON LAND
17 PARTNERSHIPS FOR THE GOALS

[1] WGBC, Annual Report, 2020
[2] WGBC, 2023
[3] WGBC, 2023
[4] Global Footprint Network, 2025

Our Circularity Strategy | Targets

Our circularity targets will help reduce resource related impacts across our value chain, from raw material use to end of product life. These targets are aligned to our LIFECycle Product Circularity Framework to support progress through the product life cycle.

Value Chain Stage

Upstream

One of our key challenges is to increase the recycled and renewable content of our products, without compromising quality or performance. Our teams continue to explore several potential recycled and bio-based material options. Engagement and collaboration with our key raw material suppliers is an important element of our strategy.

Own Operations

We aim to increase efficiency in material use and minimise the generation of waste during the manufacture of our products. When production waste cannot be reintroduced back into our manufacturing processes, we seek to repurpose and recycle it into other products.

Downstream

We aim to help keep existing materials re-circulating within the economy, at their highest value, for as long as possible.

Targets

1.5 million tonnes recycled and renewable raw materials

Our sustainability, procurement and R&D teams continue to explore further opportunities to utilise recycled and bio-based raw materials in our products through:

- Supplier engagement
- Material recovery
- Product development

Zero company waste to landfill (90% reduction from 2020)

We have implemented projects to continuously improve material flows across the business, such as:

- Design and process efficiencies to reduce raw materials required while avoiding the generation of waste
- New reuse and remanufacturing pathways for manufacturing waste
- New partnerships to support the development of circular infrastructure

Facilitate 20 product takeback and recycling schemes

By collaborating with key stakeholders, we aim to expand recovery operations across our core product groups, enabling greater reuse, remanufacture, and recycling of materials. This includes developing in-house recycling technologies and working with external partners.

LIFECYCLE Product Circularity Framework

Input Materials	Factory Processes	Extended Life Models & Reuse	Cycling
Lean Design for Circularity			

RECOVR

Kingspan RECOVR is a Group-wide circularity initiative designed to support Kingspan's strategic approach to resource efficiency and circular economy principles. The initiative focuses on the recovery of Kingspan products and materials at all stages of their lifecycle, enabling value to be retained and recirculated within the economy through recycling and extended life solutions.

By strengthening product circularity, RECOVR helps embed circular economy practices across the business in line with the LIFECycle Product Circularity Framework and supports the long-term transition towards more sustainable and resilient value chains.

Our Circularity Strategy | LIFECycle Product Circularity Framework

Our Approach

As a global manufacturing business, enhancing the circularity of our products is a key focus. Our approach is underpinned by our LIFECycle Product Circularity Framework, launched in 2020. The overarching aim of this framework is to ensure circularity principles are considered during the development of new products, under the "Lean Design for Circularity" umbrella.

By incorporating circular design principles upfront, we can focus on reducing the consumption of resources, selecting suitable materials for the optimisation of product lifecycle and designing for the elimination of waste under four core themes.

This approach guides our efforts across the business from individual projects at local sites to cross-sector partnerships aimed at transforming our value chain, some of which are highlighted in this section.

Lean Design for Circularity

Embedding resource efficiency and circularity principles into new and existing development processes.

Input Materials

Increasing the use of recycled and responsibly sourced, renewable raw materials in our products.

Factory Processes

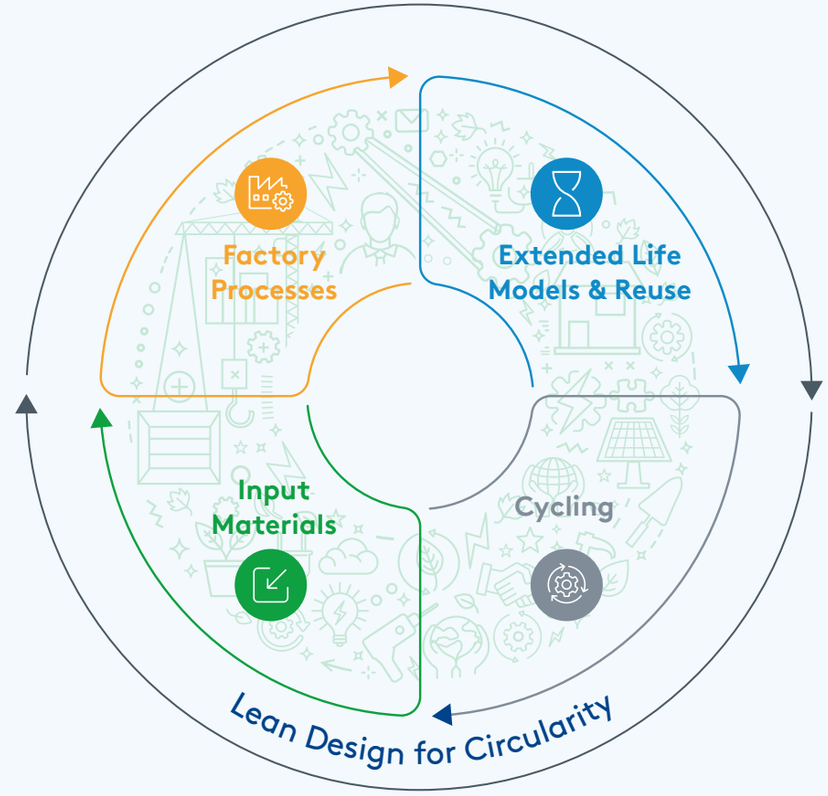
Improving our resource efficiency by reducing or eliminating waste generation within our manufacturing processes and reducing the quantity of raw materials needed to make our products.

Extended Life Models & Reuse

Working to help extend the in-use phase of products and facilitating reuse programmes by supporting industry initiatives and pilot projects.

Cycling

Developing end-of-life solutions to help keep materials and products that reach the end of their service life circulating within the economy. We aim to do this through regional and local partnerships and the deployment of in-house mechanical and chemical recycling facilities.



Material Impact Fund

Partnership Highlight

In 2025, Kingspan joined the Material Impact Fund Innovation Pathway. Through long-term contracts with property and infrastructure owners on their portfolios, the Material Impact Fund is a gateway that aims to secure future access to predictable volumes of high quality secondary raw materials and a return system for building parts.

"The transition to a more circular economy requires collaboration at scale and MIF's goals align with ours. Through this partnership, we aim to work together on the challenges in the construction industry and develop solutions to support our LIFECycle Product Circularity Framework."

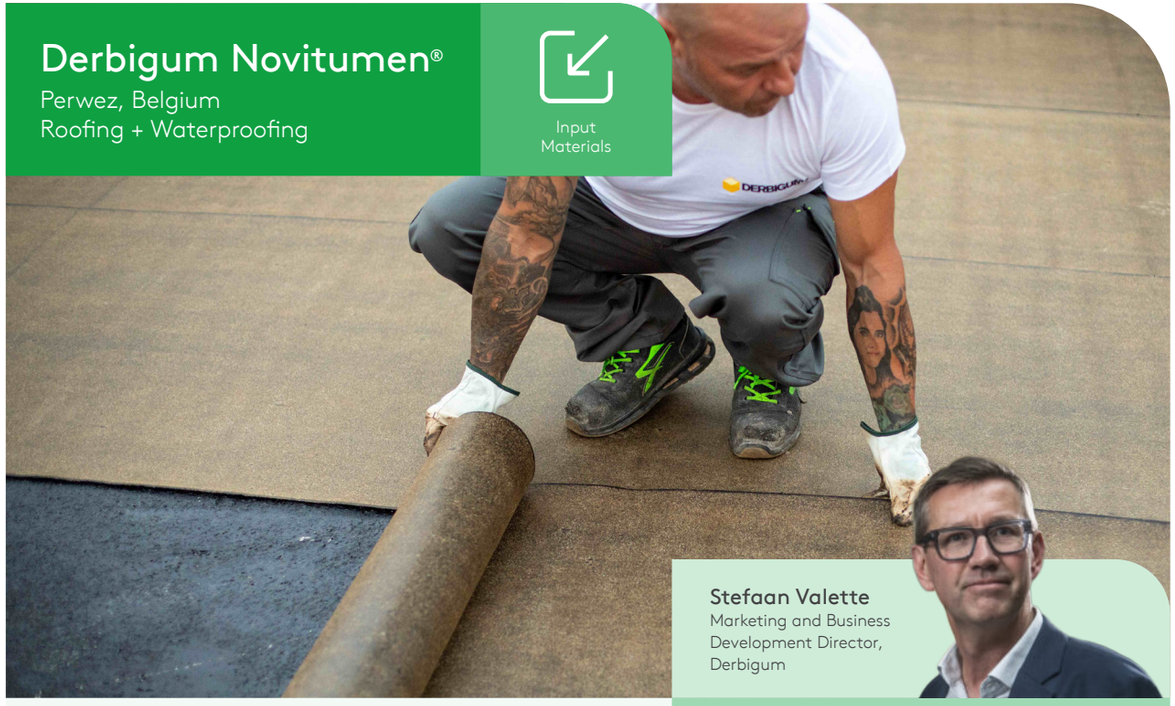
David Zhao-Coe
Sustainability Lead,
Group Sustainability

Circularity Projects | Case Studies & Highlights

Derbigum Novitumen®

Perwez, Belgium
Roofing + Waterproofing

Input Materials



Stefaan Valette
Marketing and Business Development Director, Derbigum

After three decades of research and development, Derbigum has launched its first product made without any virgin bitumen, the Derbicoat Novi P. Using recycled Novitumen® technology, made possible through a sophisticated combination of chemical reactivation, mechanical processing, and formulation science, it represents a fundamental breakthrough that transforms waste into premium materials, creating a more circular solution in waterproofing membrane production while maintaining performance.

"With our Novitumen® innovation, we prove ourselves as one of the most sustainable players in our sector. We do this by focusing on product quality and sustainability, service, and circularity."

Warmotech Partnership – Insulation Waste Recycling

Winterswijk, the Netherlands
Insulation

Factory Processes

Landfill diversion potential:
400 t
annually

Ian Coates
Business R&D
Kingspan Insulation

Densified briquette waste resulting from the production of our Therma product range is being sent to Warmotech, who convert them into brand new pressure adhered panels that have a wide range of applications including window assemblies, decorative panels, bespoke multi-layered laminates, and more. This partnership also helps us eliminate the costs associated with disposal of foam briquettes from our manufacturing sites.

"Our partnership with Warmotech highlights Kingspan's commitment to minimising the environmental impact of our manufacturing process. We aspire to set up extended waste takeback schemes so that insulation waste from construction and demolition sites can also be recycled into new products."

Circularity Projects | Case Studies & Highlights

Reuse Panel

London, United Kingdom
Data Solutions

Extended Life Models & Reuse

Cycling

Kingspan Data Solutions has launched their raised access floor reuse programme, led by their Tate UK team.

Since 2011, Tate UK have offered a free takeback scheme and now offer refurbished raised access floors, for use in commercial offices, that not only minimises waste to landfill but demonstrates our commitment to reducing embodied carbon in buildings.

Developed in close collaboration with the UK's leading architects and developers, it was made possible by the Tate UK team who have been manufacturing raised access floors since 1903 and have become known as the home of sustainable flooring.

We are championing the circular economy, where construction materials are reimagined and reused, extending their life cycle far beyond traditional limits. We are also incorporating new LEC options where suitable to complement our reuse offering.

30,000 m^2
recovered in 2025

Steve Hook
Managing Director
Tate Hull

"Finding innovative new routes to market is what Tate stands for and I'm really pleased to see this offer available to our customers that place such a high value on sustainability and in particular, lowering embodied carbon."

Danny Preston
Pre-Construction Manager for Reuse

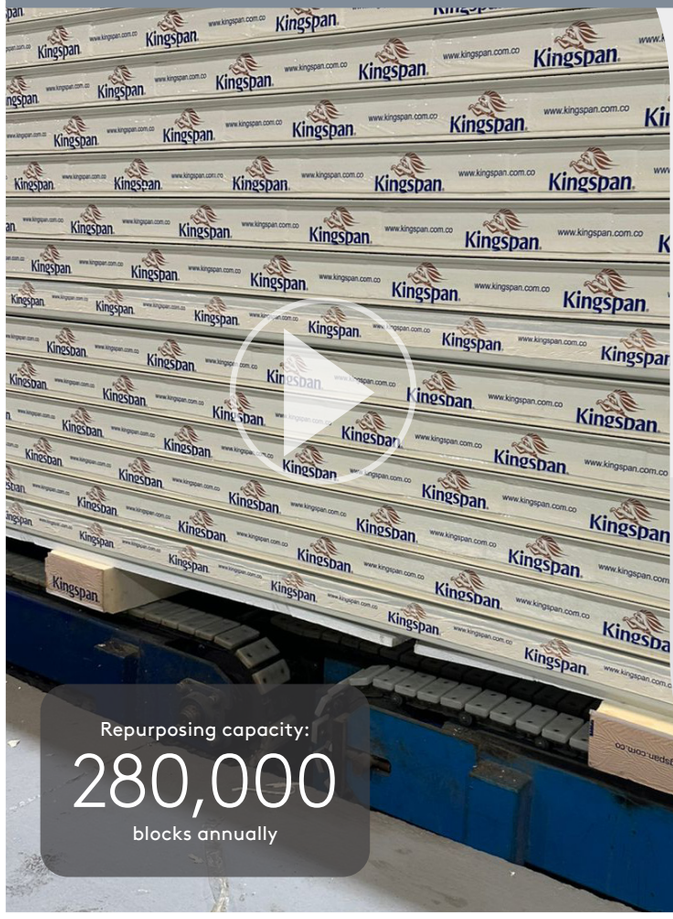
"It's fantastic to have our first reuse project under our belt. It proves that reuse can be achieved with a sustainable mindset and the correct processes in place. We have several, much larger projects in the pipeline and we are looking forward to this exciting new venture."

Circularity Projects | Case Studies & Highlights

Insulation Waste Repurposing

Cartagena, Colombia
Insulated Panels LATAM

Cycling



A new process has been successfully launched for foam waste generated in Cartagena's manufacturing process to be collected and repurposed into alternative new products to reduce waste generation at source and optimise the use of resources. Waste materials are classified, followed by the identification of viable alternatives for their reutilisation as packaging material. The project contributes to reducing the volume of waste sent to disposal, reducing relevant environmental impacts, making use of secondary raw materials and promoting a culture of sustainability.

"At Kingspan, we promote circularity as part of our commitment to sustainability, transforming materials, reducing waste, and creating innovative solutions that build a more responsible future for the planet."

Efrain Espinoza
Production Supervisor
Insulated Panels LATAM

Landfill Diversion

Orduna, Spain
Roofing + Waterproofing

Factory Processes

Wood and municipal waste previously destined for disposal at our Orduna site is now being diverted from landfill thanks to the installation of a triturator machine. It converts the waste into briquettes which can be valorised with a waste contractor, helping to divert these volumes from landfill.

60 t
Expected annual landfill diversion

Landfill Diversion

Saint Mary's, Australia
Insulated Panels, EAA

Factory Processes

At St Mary's in Australia, driving waste reduction has been a cross-departmental effort. Materials including PIR, plastics, timber, MDF, cardboard and EPS are repurposed or converted into Process Engineered Fuel (PEF) in collaboration with our partners. Meanwhile, design innovations, such as optimising slab sizes and thickness, have greatly reduced mineral wool waste. These efforts mean almost all site waste, except mineral wool and municipal waste, is now recycled.

Circularity Projects | Case Studies & Highlights

Wood Fibre Insulation

Czarnkow, Poland
STEICO

Input Materials

Our raw materials come from responsibly managed Polish State Forests where the benefits of supporting biodiversity are being realised. For example, areas of the forest have seen beavers return, which contributes to improved water retention, carbon dioxide absorption and building habitats that allow a high level of species diversity to develop.

The timber from these forests have been managed for over a hundred years to ensure the continuity of the trees from which we manufacture wood fibre insulation. The process has two main stages: raw material preparation and core production. What is removed during these steps is treated and reused within the production process in a closed loop system. The plant includes advanced systems for filtering exhaust gas, a cleaning system for wastewater and technologies for rainwater harvesting and cleaning.

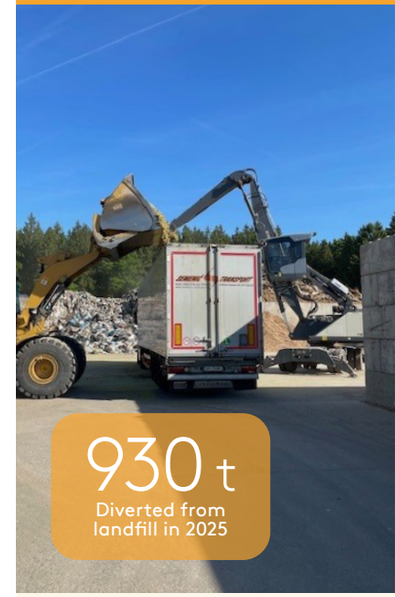
Milda Zaksaite
Head of Quality & Sustainability Management
STEICO

"For us, sustainability means taking responsibility – for our products, our materials, and our environment. We are actively shaping the transition toward a circular economy by using wood intelligently as our primary renewable resource, reintegrating production offcuts into the value cycle, and developing sustainable packaging solutions that help conserve resources – today and in the future."

Mineral Fibre Dust Recycling

Isometall, Belgium
Joris Ide

Factory Processes



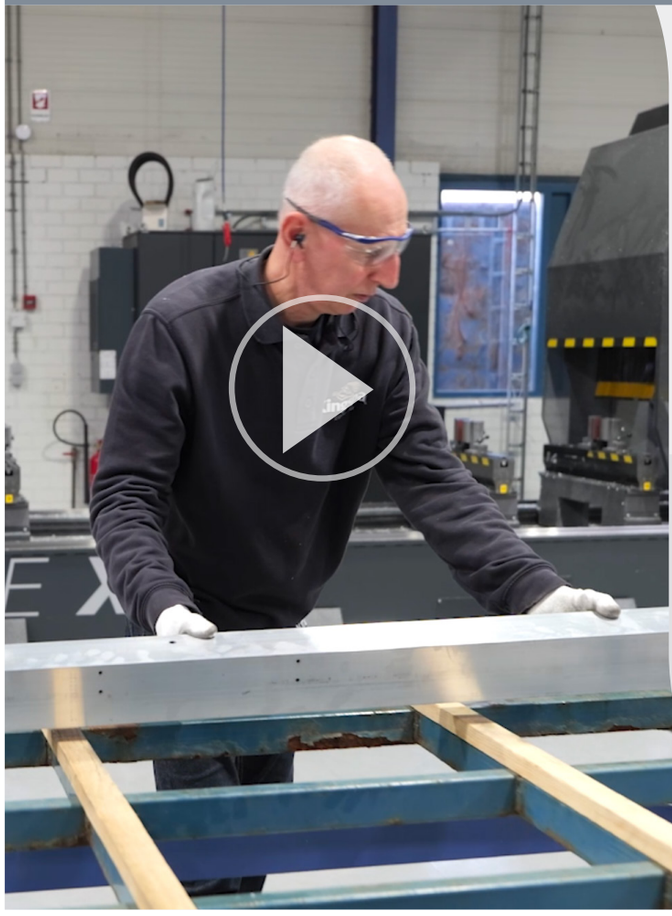
At our Isometall site, 85% of our waste to landfill in 2024 consisted of mineral fibre. Now, the mineral wool dust released when cutting panels during production is being 100% recycled thanks to the recycling channels in collaboration with our mineral wool suppliers. The mineral wool dust released during production is reintroduced into our supplier's production process and the delivery journey is a loop: starting with unloading of new pallets, loading of waste dust, then return to our supplier. Fully integrated in our operations, this initiative helped us divert 930 tonnes of mineral fibre from landfill in 2025.

Circularity Projects | Case Studies & Highlights

Light + Air Takeback Scheme

The Netherlands
Kingspan Light + Air

Cycling



Kingspan Light + Air are proud to launch their first takeback scheme as part of Kingspan's environmental sustainability programme Planet Passionate. Products such as aluminium natural ventilation, aluminium smoke and heat exhaust systems and glass roofs will be offered a full takeback guarantee at end-of-life. Kingspan Light + Air's service and maintenance departments are working in collaboration with recycling partners to make sure that the materials are recycled in the Netherlands and re-circulated back into the industry.

"Our customers in the Netherlands can return both end-of-life and replacement products for recycling. This process recovers materials responsibly, reducing waste and supporting a circular economy."

Niels de Zaaijer
Manager Compliance & QHSE,
Kingspan Light + Air

Next Circle Takeback Scheme

The Netherlands
Joris Ide

Extended Life Models & Reuse

Cycling

Next Circle, Joris Ide's takeback and recycling program, was launched in September 2025. With the takeback guarantee, used panels will be collected and reused or recycled so that they are given a new future while valuable raw materials remain in circulation and do not end up in landfill.

Unidek Takeback Scheme

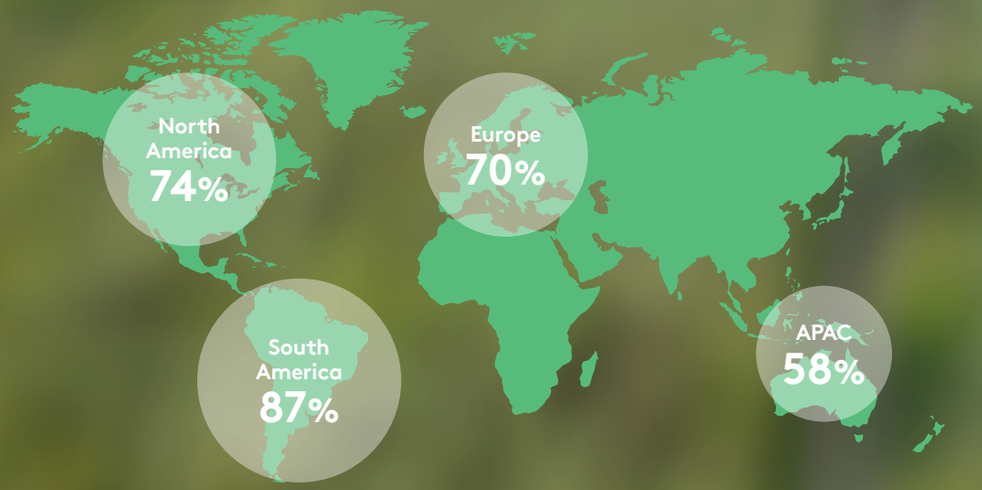
Kingspan Unidek, The Netherlands
Insulation

Cycling

Kingspan Unidek offers a takeback guarantee on certain roof insulation products including a commitment to collect products at end-of-life for reuse and recycling. This means waste product can be used again as a raw material while reducing waste disposal costs for building owners.

2025 Key Metrics and Highlights

Waste recycling rate by region (%)

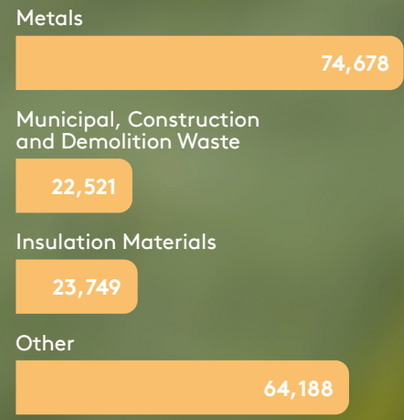


Recycled and renewable raw materials used annually (t)

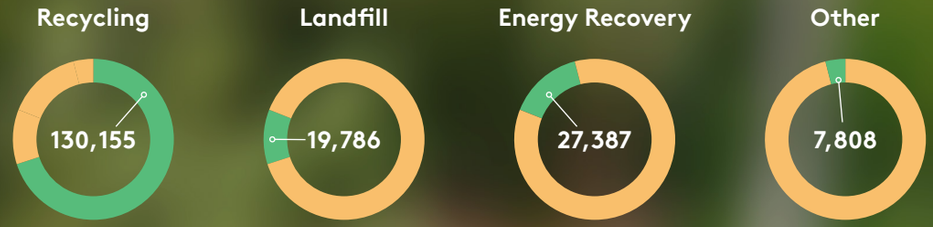
Recycled raw materials:
395,475
tonnes

Renewable raw materials:
658,376
tonnes

Waste generation by waste type (t)



Waste generation by disposal type (t)



10

Takeback and recycling schemes

North America:
1 recycling scheme

South America:
3 recycling schemes

Europe:
6 takeback and recycling schemes

179
Sites with >90% waste diverted from landfill

17
Products covered by takeback schemes

PET bottles recycled in our manufacturing processes*

2020	2021
573 m	843 m
2022	**2023**
803 m	858 m
2024	**2025**
1.1 bn	1.2 bn

*Equivalent no. of PET bottles by weight.

WATER

Access to water is a fundamental human right and crucial for sustainable development.

Climate change, urbanisation, and population growth are intensifying water stress and contamination. Recognising the urgency of water scarcity and misuse, we, as a global manufacturer, are committed to minimising our impact on the world's water resources and ecosystems, ensuring a sustainable and equitable future for all.

157 tonnes
Ocean plastic recovered

59
Rainwater harvesting systems

68 ML
Estimated annual harvesting potential

Photo Credit: Gilles Dedeurwaerder

6 CLEAN WATER AND SANITATION
14 LIFE BELOW WATER

Water | Our Approach & Target

Our Approach

As global water scarcity intensifies due to climate change and rising demand, ensuring responsible stewardship of this finite resource has become central to our strategy. Through our Planet Passionate programme, we have set an ambitious target to harvest 100 million litres (ML) of rainwater annually by 2030. We are also embedding water conservation across our manufacturing processes, product portfolio, and community partnerships. Recognising the scale of the challenge, we partner with like-minded organisations to address issues such as the ocean plastic crisis, ensuring that our business growth aligns with the global imperative to protect water resources and secure equitable access for current and future generations.

OUR TARGET

Harvest 100 million litres of rainwater annually by 2030

We have harvested over **245** million litres of rainwater since 2020

Key Metrics

Rainwater harvesting capacity by region (ML)

Europe | North America | Rest of the world

Water Withdrawal (ML)

2020	2022	2023	2024	2025
437	672	800	2,231	2,107

Rainwater Harvested (ML)

2020	2022	2023	2024	2025
20	27	57	63	57

Rainwater harvesting systems

2020	2022	2023	2024	2025
14	36	49	60	59

Water | Project Highlights

Rainwater Harvesting & Conservation

North America
Insulated Panels

Water

Kingspan Insulated Panels (North America) manufactures insulated metal panels using a waterless process; onsite water consumption is primarily associated with sinks, toilets, and irrigation. The division has steadily reduced water use through its water-efficiency programme and continued investments in rainwater harvesting and other innovative solutions at wholly owned sites. These initiatives lower operating costs by reducing water-related expenses and help mitigate risks associated with water scarcity.

At the Monterrey, Mexico site, the team captured 50,000 litres in 2025 from air-conditioning condensate, routed it to cisterns, and reused it for garden irrigation, toilets, and other facility needs; significantly reducing the site's overall water consumption.

"Water is scarce in our region, so we're choosing to be both resourceful and creative. We capture and measure the condensation from our site's air-conditioning units, route it into our cisterns, and reuse it to irrigate the garden, flush toilets, and support other facility needs."

Brisa López C.
Environmental Coordinator
Insulated Panels, North America

Rainwater Harvesting

Unidek Gemert, the Netherlands
Insulation

Water

At Kingspan Unidek, water plays an important role in the production process. The site collects approximately 17,500 m³ of rainwater annually, which accounts for 60% of its total water consumption, significantly reducing its demand on municipal water supplies.

Rainwater has been integrated across three key areas:

- Production Process: EPS production uses an open steam system where steam is injected directly into the product without returning condensate. While the site supplies 80% of this water from its rainwater reserves, it maintains 20% mains water to ensure proper alkalinity levels in the boiler water without requiring additional chemical treatments.
- Cooling Systems: The vacuum installations and mould cooling use a closed system topped up with 100% rainwater.
- Fire Safety: All buildings are equipped with emergency sprinkler systems, with water supplies sourced entirely from their rainwater collection infrastructure.

The site continues exploring additional applications for collected rainwater to further reduce mains water consumption.

Watertank Powered Plant Irrigation System

Balex Metal
Joris Ide

Water

The "Green Our Grounds" initiative at Balex Metal in Tomaszów Mazowiecki involved a comprehensive revitalisation of the site's grounds. The primary objective was to bolster local biodiversity, specifically by cultivating an environment conducive to the on-site apiaries and simultaneously enhancing the aesthetic appeal of the premises.

The scope of work included the complete removal of existing turf and its replacement with a vibrant wildflower meadow alongside new lawn areas. A critical component was the planting of various pollinator-friendly flora and the implementation of a modern, efficient irrigation system. This system leverages harvested rainwater and incorporates a rain sensor to optimise water consumption. The entire undertaking, encompassing soil preparation, planting, and system installation, was completed over a two-week period by a dedicated team of three.

Water | Ocean Clean-up Projects

Kingspan Partners with Seven Clean Seas, Supporting Ocean Bound Plastic Removal in Southeast Asia.

In December 2025, we announced a partnership with Seven Clean Seas, a leading organisation focused on ocean conservation. This collaboration aims to tackle ocean-bound plastic pollution and enable the recycling of recovered materials in community projects.

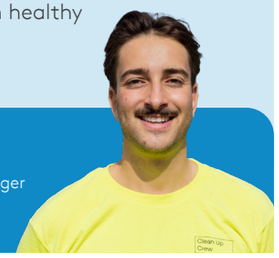
Through this partnership, Seven Clean Seas will build on its work in Indonesia (Batam) and Thailand (Bangkok), with Kingspan providing support over the three-year period. The multi-phase initiative includes installing river barriers in both regions to prevent plastic from leaking into the ocean, re-roofing a community school in Batam using recycled ocean plastic, and supporting ongoing recovery operations targeting the removal of 119,126 kg of marine plastic from the environment.

Seven Clean Seas is a mission-driven organisation dedicated to protecting and restoring marine ecosystems by tackling plastic pollution at its source. Since its foundation in 2018, the organisation has built and managed high-impact clean-up and prevention projects across Southeast Asia. These projects deploy innovative collection systems, community-focused plastic recovery initiatives, educational programmes and circular economy solutions that prevent plastic waste from reaching or remaining in the sea.

Beyond environmental impact, their projects provide ethical, formal, long-term employment for over 100 workers, challenging the waste sector's heavy reliance on informal and often exploitative labour. Seven Clean Seas believes that addressing the plastic waste crisis at a global level means tackling the underlying socio-economic issues at a community level.

"Kingspan has shown remarkable leadership through their Planet Passionate programme, and it is an honour to partner with a team so deeply committed to meaningful, measurable impact. Seven Clean Seas is built on certified recovery, transparency and community-centred solutions, and we're excited to work with Kingspan to expand this work across Southeast Asia. Together, we're not only protecting marine environments, but we're also building the systems that will keep them healthy for generations."

Oliver Kade
CTO & UK Country Manager
Seven Clean Seas



Ocean Clean-up Projects supported since 2020:

ECOALF	Seabin™	clearbot	4ocean	rePurpose	Seven Clean Seas
2020	**2021**	**2022**	**2023**	**2024**	**2025**
ECOALF 3-Year Partnership	Seabin™ 3-Year Partnership	Clearbot 3-Year Partnership	4ocean 3-Year Partnership	rePurpose Global 3-year Partnership	Seven Clean Seas 3-Year Partnership

NEW partnership in 2025

Water | Ocean Clean-up Projects

rePurpose Global

1st Year of Partnership summary
The first year of our three-year partnership with rePurpose Global concluded in autumn 2025, marking an important milestone in our joint effort to address ocean-bound plastic pollution in Colombia's Buenaventura region. Over the course of the partnership, the goal is to recover at least 86,000 kg of plastic waste that might otherwise end up in waterways. By the end of 2025, the project had delivered measurable results:

57,300 kg of plastic	57,300 kg of plastic was collected and recycled through ethical recovery practices, roughly equivalent to 3.18 million plastic bottles or 9.5 million plastic shopping bags.
10 local waste workers	Ten local waste workers were supported with additional income opportunities through the project.
1 industrial plastic grinding and washing machine	One industrial plastic grinding and washing machine was procured and installed on site as a key pre-processing line. The machine converts collected plastic into clean, ground material, improving storage and transport efficiency while maximising the economic value of the material. This equipment is critical in bringing the project closer to being able to recycle on-site. It has a processing capacity of up to 30,000 kg per month, and two local waste workers were trained and upskilled to operate the equipment.
1 plastic awareness and beach clean-up activity	One plastic awareness and beach clean-up activity conducted during World Ocean's Day, with a total of 28 community members participating, helping raise awareness about ocean-bound plastics in their community. These achievements represent the first steps toward the partnership's long-term objectives, with continued efforts planned for the coming years.

CLEARBOT

Our three-year partnership with Clear Robotics, a technology-driven company that develops AI-powered autonomous boats for essential marine operations, came to an end in November 2025. Together, we worked to tackle ocean-bound debris in India. Clear Robotics creates unmanned, electric, emission-free robots that can handle tasks ranging from inspection and monitoring to cleaning and intervention in urban waterways.

Kingspan's ClearBot was deployed in the Nonbah and Nongstoin rivers in Meghalaya. Since November 2022, a total of 37 tonnes of waste has been collected, with an average daily collection of 110 kg.

Samyuktha Sriram
Head of Business Development and Marketing
Clear Robotics

"Our three-year partnership with Kingspan in Meghalaya has been a powerful example of technology and collaboration coming together. With our fully electric, remote-controlled, zero-emission systems, we've improved waterway management and strengthened local ecosystems. We're grateful for their trust and excited to continue advancing cleaner, sustainable waterways for the future."

Water | Ocean Clean-up Projects

Since November 2023, we have been proud to hold the title of 4ocean's Official Certified Cleanup Partner. The purpose of the partnership was to intercept plastic waste before it reached the ocean.

Key Actions:
Kingspan funded and sponsored the installation and maintenance of river booms in Bali, Indonesia, on the Sungai Yeh Kuning and Sungai Sawah Gede rivers, and most recently in Java on the Truko, Sukosari and Kedungsari rivers.

As of December 2025, we have made an impact by removing 51.98 tonnes of plastic and other waste.

52 tonnes
Of ocean-bound plastic removed to date

4ocean

Alex Schulze
Co-Founder & CEO
4ocean

"Kingspan has been an incredible partner for us. Their support has helped expand our cleanups in a meaningful and powerful way. It's opened the door for us to scale our operations, deploy more resources where they're needed most, and continue creating full-time jobs for our captains and crews around the world.

We recently transitioned part of our impact work to Java, and the momentum we're seeing there has been inspiring. None of this would be possible without Kingspan and partners who truly believe in what we're building. We're grateful for their commitment and the difference we're making together."

PRODUCT PASSIONATE

We want our products to make a difference. We work tirelessly on enhancing the environmental performance of our products. Supporting our customers to decarbonise both new and existing buildings, helping achieve their sustainability goals.

35
LEC products launched since 2023

18
LEC products launched in 2025

Product Passionate | Completing the Envelope

Our strategy of Completing the Envelope aims to take our innovation and sustainability DNA and apply them to a wider portfolio of products which are complementary to our current offering. Our systems and solutions driven approach aims to support our customers today with the right solution for their building requirements, while also looking forward to tomorrows building needs.

Our solutions make a significant positive impact on the resource efficiency of buildings.

Potential product impacts

Carbon

219m tCO_2e
Estimated lifetime carbon savings from insulated systems sold in 2025

7.6m tCO_2e
Kingspan's 2025 value chain carbon footprint

Natural Light

3.3bn lumens
Our daylighting systems sold in 2025 create 3.3 billion lumens of natural light annually

>400k
Enough to light up over 400 thousand homes[1]

Water Conservation

39.8bn litres
Over 39.8 billion litres of rainwater will be harvested by our tanks produced in 2025[2]

16,000
Enough water to fill nearly 16,000 Olympic swimming pools

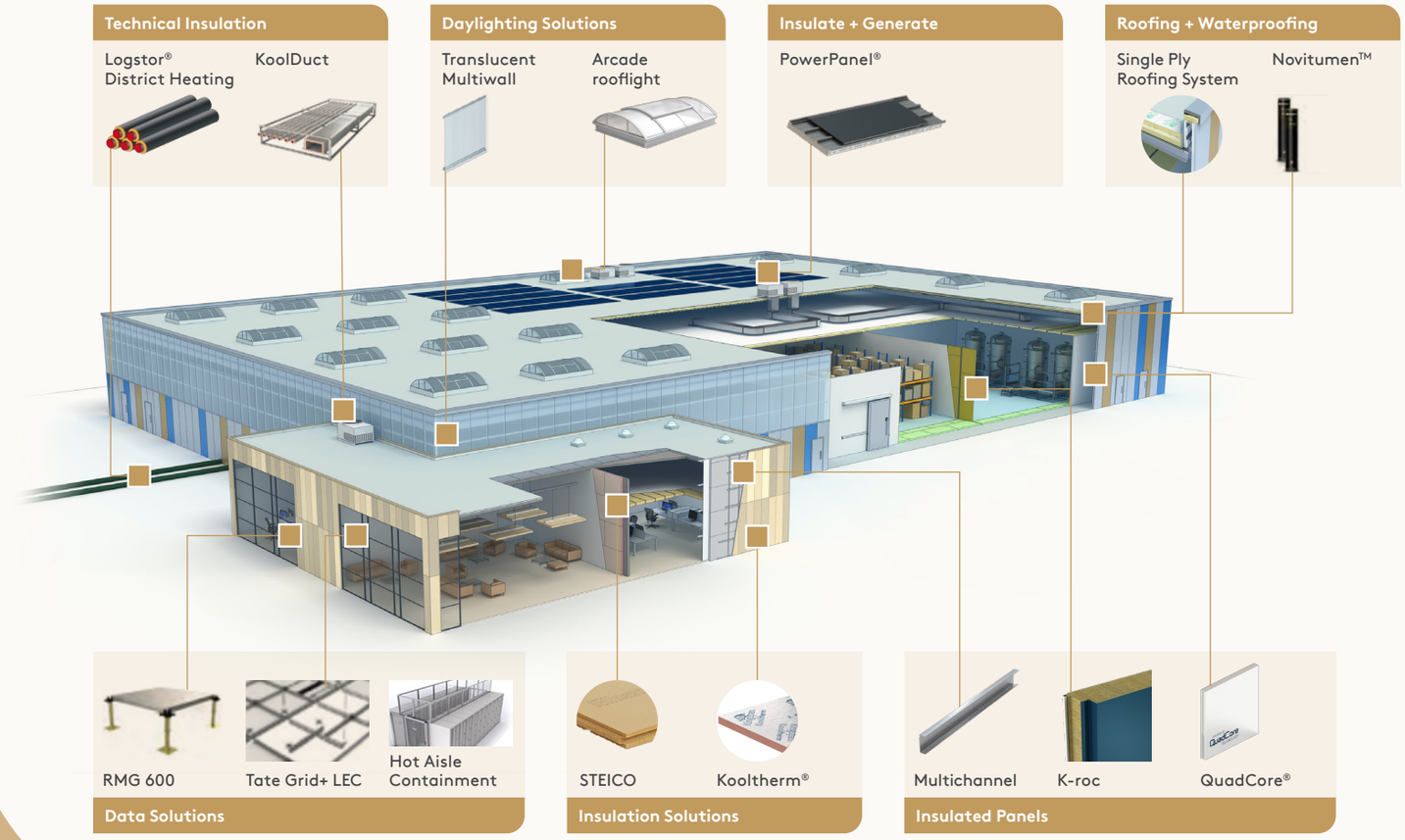
Recycled and Renewable Materials

1.05m tonnes
We used 1.05 million tonnes of recycled and renewable content in the raw materials used to manufacture our products in 2025

2m
Comparable to the municipal waste from a city of c.2 million people[3]

[1] Assumes 10 x 60W bulbs per home [2] Assumes a 20 year product life [3] Based on c.05 tonnes per person pa, OECD average

We offer customers a wide range of high-performance building envelope solutions which deliver energy efficient buildings and can also generate renewable energy.



Product Passionate | LEC (Lower Embodied Carbon) Solutions

Beyond our existing product portfolio, we have developed a suite of LEC (Lower Embodied Carbon) products. These solutions deliver reduced embodied carbon across their lifecycle when compared with their equivalent, standard Kingspan products, while maintaining the high levels of performance expected from our range.

PLANET PASSIONATE GOAL

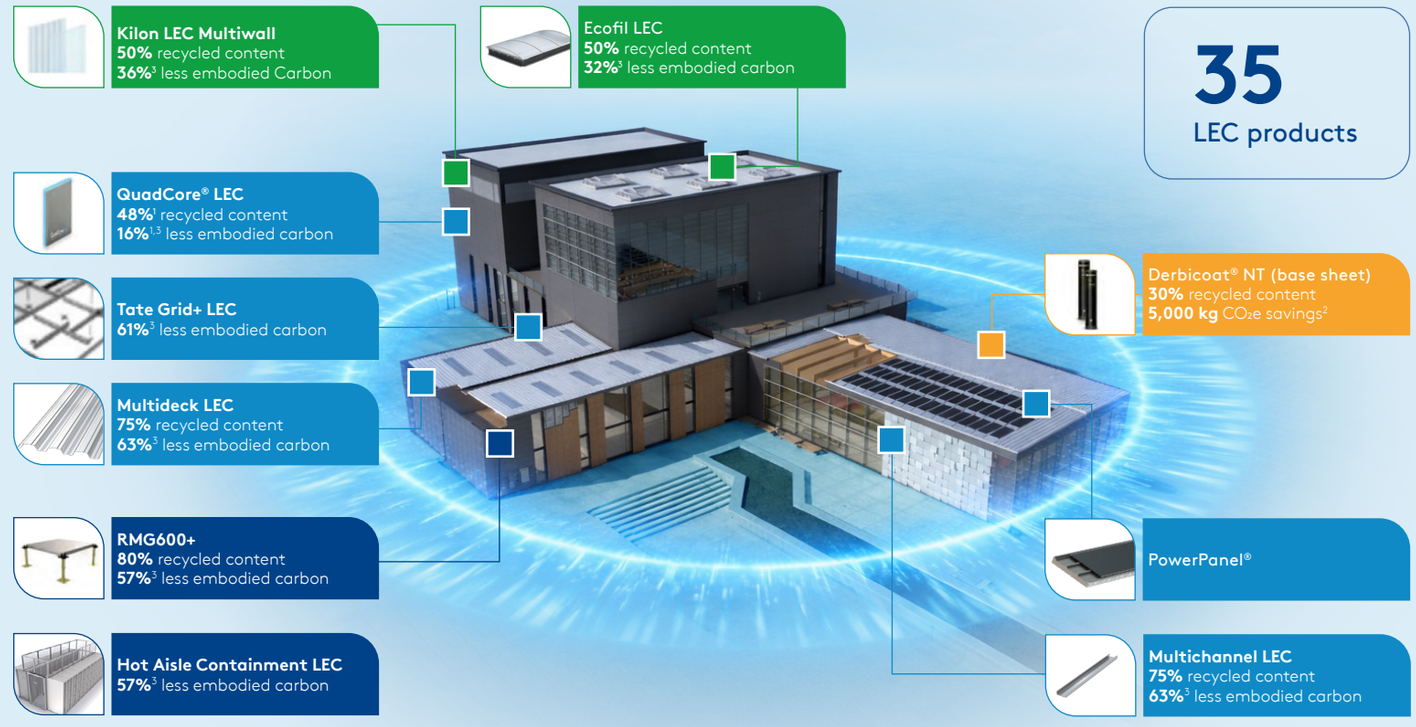
Our goal is to reduce the environmental impact of our products while maintaining their high performance, to help our customers reduce both the operational and embodied carbon of their buildings.

Our R&D, procurement and sustainability teams worked in partnership to take significant steps in the development of LEC alternatives across our portfolios. In 2025, we brought 18 LEC products to market including: Topdek LEC, Evolution LEC, Ecofil premium LEC and Hot Aisle Containment LEC. This brings our LEC portfolio to a total of 35 products across our insulated panel, daylighting, data solutions and structural product sets. This was made possible through continuous innovation, supplier engagement and decarbonisation projects within our operations.

As over 70% of our emissions are related to our key raw materials, working with our supply chain is critical. Through our ongoing supplier engagement programme, we aim to source raw materials with lower embodied carbon and higher recycled content. We collaborate closely with our supply chain partners to support the development of such materials and to encourage innovation across all stages of the value chain. By working together to bring new, more sustainable products to market, we aim to support our customers in achieving their sustainability objectives and contribute to accelerating the transition toward a net zero emissions built environment.

18
New LEC products in 2025

The LEC (Lower Embodied Carbon) Envelope



[1] 100mm panel
[2] 5,000m² roof
[3] Across lifecycle modules A-C

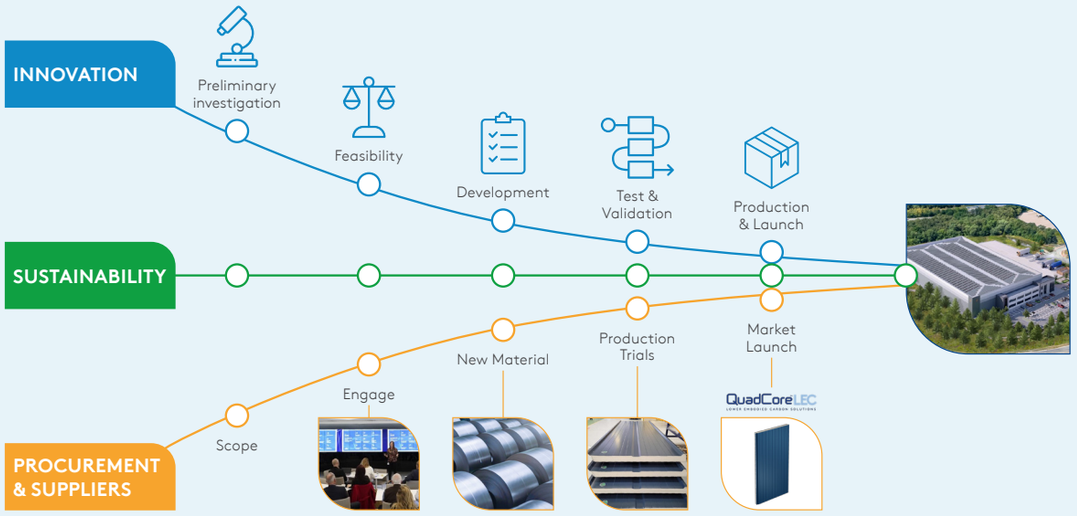
Product Passionate | Innovation

Our Innovation Approach

Kingspan's innovation agenda is driven across four key themes: performance, solutions, sustainability, and digitalisation. We believe there is significant potential for further innovation within the construction sector, particularly through advancements in building envelope technologies which continue to shape the future of high-performance, low-carbon buildings.

Sustainability + Innovation: Supplier engagement

Our R&D, sustainability and procurement teams work closely together, collaborating with key suppliers of our main raw materials. Through this collaboration, we aim to create mutually beneficial partnerships with key value chain stakeholders. These partnerships support our goal to develop solutions with improved environmental performance. The use of new, alternative raw materials is a key lever in the expansion of our LEC product suite. We work collaboratively to further improve overall environmental performance of our product portfolio, from the raw materials used to end-of-life. Therefore, supplier engagement and collaboration is critical to innovation process.



IKON

Innovation at IKON

At IKON, our innovation is focused on four key areas – each addressing a major challenge in how we design and build for the future.

First, we're advancing decarbonised solutions – by rethinking materials and working with lower-emission supply chains to reduce the carbon footprint of construction right from the start. You'll see this in how we source, how we design, and how we manufacture.

Second, we're driving circularity – looking at how we can extend the life of materials through reuse, recycling, and better waste management. It's about retaining value for as long as possible and designing with the end in mind.

Third, we focus on efficiency in construction – exploring new ways to build smarter, faster, and with better long-term performance. That includes solutions that reduce complexity during installation and bring more value across the building's life.

Finally, we're working to enhance the building envelope – not just with new technologies, but by applying the full range of expertise and solutions we have across Kingspan. This goes well beyond insulation. It's about making the envelope more complete – integrating systems to improve energy, daylight, water, and thermal performance. Because for us, a high-performance envelope isn't just a component. It's the core of our strategy.

Product Passionate | Supplier Engagement

Through our supplier engagement strategy, we prioritise collaboration with key raw material suppliers, recognising their significant contribution to our upstream GHG emissions, which represents up to 80% of our category 1 scope 3 emissions. By building long-term partnerships, we aim for strong alignment with environmental objectives and group targets.

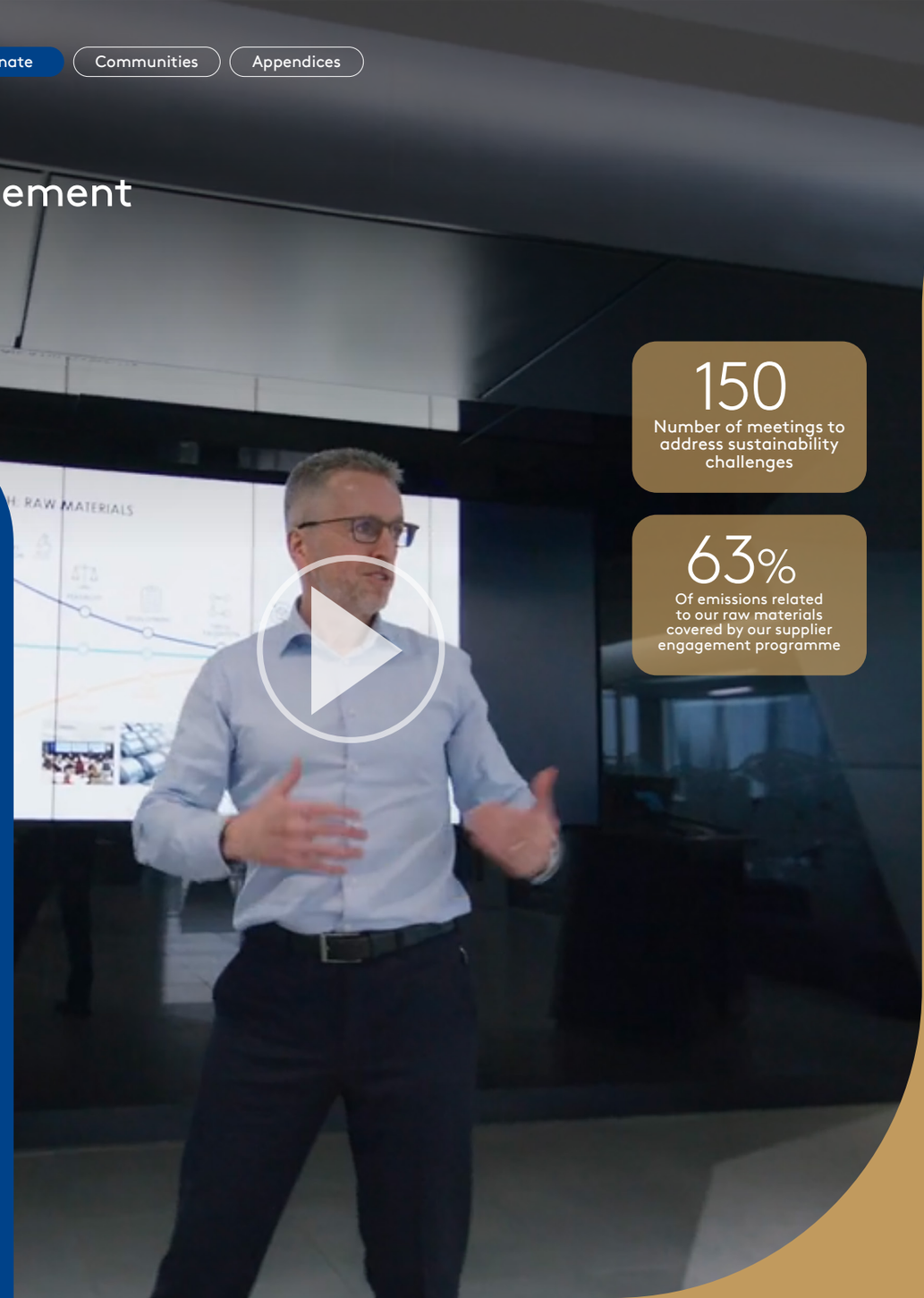
We value our suppliers' role in helping reduce embodied carbon in our products. In 2025, our approach included open discussions on decarbonisation, requesting company- and product-level roadmaps, and hosting our Supplier Forum to promote sustainability and innovation.

Our programme now covers over 63% of category 1 scope 3 emissions, and 100% of key chemical raw material suppliers were engaged during the reporting period.

Looking ahead, we will further expand engagement to reach more suppliers and promote collaboration opportunities. Supplier engagement remains a key lever in progressing our value chain decarbonisation targets.

Supplier Due Diligence:
In 2025, we also rolled out our updated Supplier Code of Conduct across all within the Group, reinforcing the importance of Kingspan's Supplier Human Rights and Environmental Due Diligence (SHREDD) policy.

Alongside this, we implemented a new ESG platform to streamline supplier due diligence. These actions have enhanced our visibility into our understanding of our supply chain and enabled more effective collaboration with key raw material partners to drive environmental accountability. This development has resulted in a 19% increase in our suppliers scorecards through our Sustainability third party rating platform, a key element of our supply chain human rights and environmental due diligence process.



150
Number of meetings to address sustainability challenges

63%
Of emissions related to our raw materials covered by our supplier engagement programme

Supplier Forum 2025
In 2025, we conducted a Supplier Forum bringing together our key suppliers to discuss product roadmaps and strategies to enable development of new, novel solutions which incorporate advances in environmental parameters such as reduced embodied carbon and increased recycled content. The forum, coordinated by our Procurement Director, includes presentations and internal leadership on innovation, sustainability and other market trends. These presentations are followed by individual meetings to bring together internal senior management with their supplier counterparts.

This forum serves as an open platform to exchange insights, address sustainability challenges, and collaborate on innovative solutions that advance our decarbonisation targets. By engaging our key suppliers directly, we promote transparency and alignment, ensuring all participants share a clear pathway toward sustainability and ultimately progress toward our mission to accelerate a net zero emissions built environment.

Product Highlights | Lower Embodied Carbon | Insulated Building Envelopes

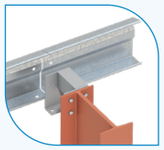
Insulated panels

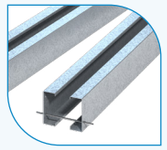
After the successful launch of QuadCore LEC with our Architectural Wall Panel (AWP) as our first LEC product in 2023, we have expanded the range of LEC insulated panels to include 9 more products such as QuadCore KS1000RW LEC Roof Panel, QuadCore Evolution LEC and AST LEC. LEC insulated panel products are now on offer in multiple regions across Europe, with their introduction in Poland, Finland and the Czechia in 2025. With this further expansion, these products are now beginning to contribute meaningfully to our market share.

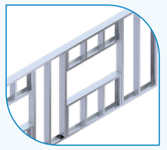
Structural Steel

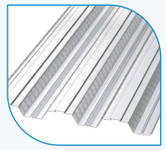
Our range of LEC structural steel products has rapidly expanded and continuous development is underway with 5 products across the multichannel multibeam and eaves beam ranges.

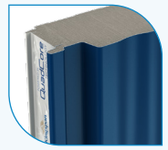
2025 also saw the first LEC multideck product brought to market. This introduction expands the potential market penetration of the LEC range through its applications in multi-storey commercial and residential buildings and multi-level car park projects.

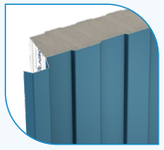

Eaves Beam LEC

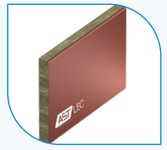

KS Sigma Profile LEC Mezzanine Floor

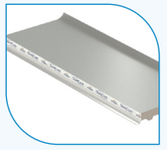

Kingframe LEC steel frame system

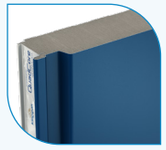

Multideck LEC 60


QuadCore AWP


QuadCore KS1000RW LEC Roof Panel


AST L LEC


QuadCore Topdek LEC


QuadCore Evolution LEC

22
Insulated building envelope LEC products

Case Study

Holborn Viaduct
London, UK

The Holborn Viaduct redevelopment in London is designed as a highly sustainable workplace, targeting BREEAM Outstanding and WELL Platinum certification. Its design incorporates passive measures to reduce energy use, increased natural ventilation and daylight, biodiverse green terraces, and the reuse of existing Portland stone to minimise embodied carbon.

To support these ambitious environmental targets, the project incorporates Kingspan Multideck LEC 60, a LEC structural flooring solution. By reducing upfront embodied carbon impacts, Multideck LEC 60 contributes directly to the project's whole life carbon strategy and aligns with its goal of creating a more sustainable, adaptable, and future-ready commercial building.

Lower Embodied Carbon | Advnsys

Tate Data Centre Containment Solutions

With Peter Kelly - Divisional Director of Sustainability for Kingspan Data Solutions

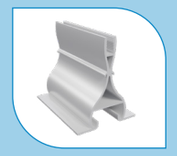
Q: What are the main drivers behind Kingspan's Planet Passionate programme?
The overarching goal of Kingspan's Group-wide Planet Passionate programme is to enhance the environmental performance of our products. This driver has coincided with a growing global demand for products that support our customers to decarbonise their buildings, delivering tangible environmental benefits at a building level. At Tate, we have risen to this challenge to ensure we are synonymous with lower embodied carbon solutions and are therefore seen by our data centre and commercial office customers as being at the forefront of this transition.

Q: What steps did you take to embed this mindset into Advnsys business model?
We are committed to delivering lower embodied carbon solutions and we have already taken a number of steps to reduce carbon in our supply chain and in our raw materials in relation to steel, aluminium, polycarbonate and timber. Sustainability is a key driver in how we design and deliver new and innovative solutions, shaping not only the future of data centres, but also the built environment and modern commercial office spaces. Over a number of years, our LEC journey has focused on bringing lower embodied carbon flooring, ceiling, and hot aisle containment solutions to market. Our first innovations in this space were RMG600+ and Tate Grid+ LEC. The RMG600+ raised access floor panel uses a minimum of 91% recycled content and delivers a 46% reduction in embodied carbon compared to the standard RMG600 product. The LEC range enables customers to achieve tangible carbon savings at building level without compromising technical performance.

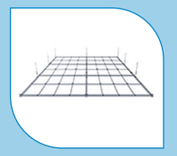
Q: And then looking ahead on this journey, what's next?
Even with our track record of success, we're still at the beginning of our journey when it comes to delivering LEC products. We continue to search around the world to find new innovative supply chain members that can help further reduce the embodied carbon of our raw materials. We're also collaborating with our existing supply chain partners to identify efficiencies while constantly innovating when it comes to products.

Tate LEC products


RG3+ & RG2+

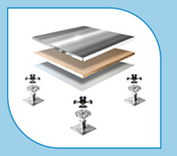

Tate Forte LEC

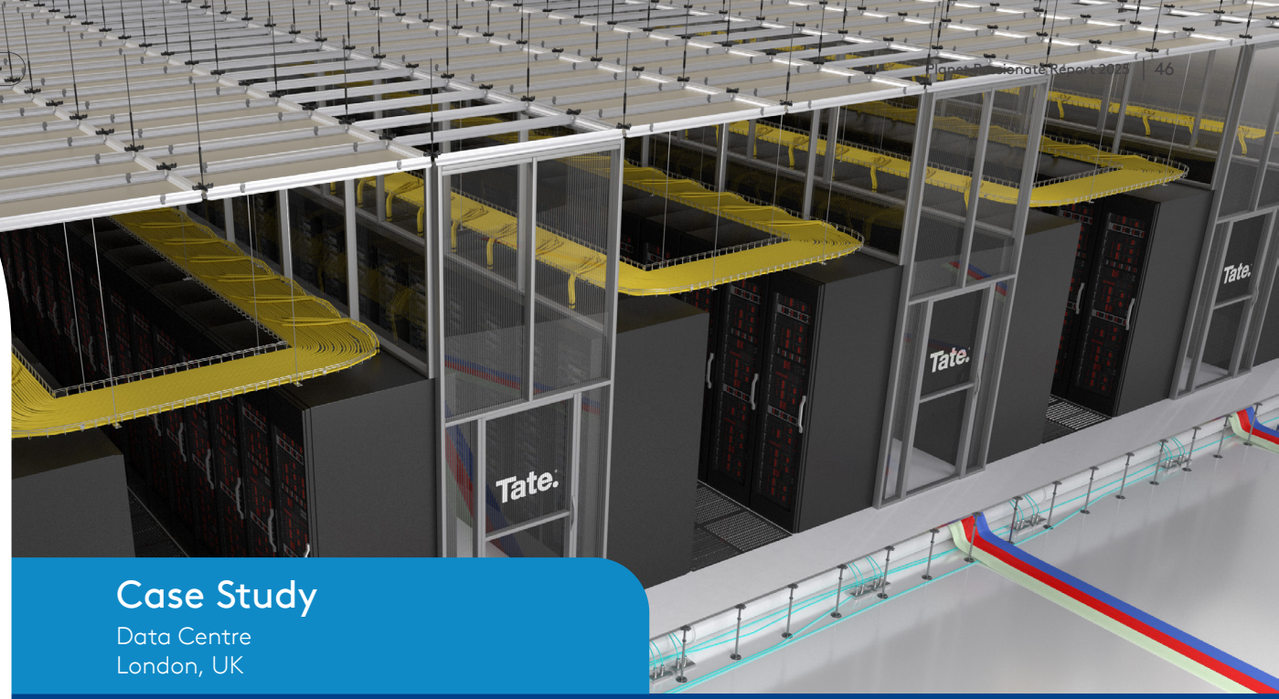

Non Structural Hot Aisle Containment LEC


Alustra LEC


Hot Aisle Containment LEC


Grid & Grid+ LEC


RMG600+



Case Study

Data Centre
London, UK

A key Tate colocation customer is making significant strides in sustainable construction at its London data centre, where our Tate Grid LEC ceiling system helped save 347 tCO_2 compared to traditional designs.

This breakthrough is the result of close collaboration between Tate Europe, the General Contractor, and our customer's internal teams. Tate acting as a subcontractor to the General Contractor and manufacturer of the ceiling system, recommended our LEC aluminium ceiling that offers a more flexible and high performing solution. The design uses fewer materials and is produced in our Dublin factory where the raw material is sourced from a supplier that uses hydropower, resulting in a 59% reduction in embodied carbon.

To put this in perspective: while traditional ceilings have 49 kg of embodied CO_2/m^2, Tate's new LEC structural ceiling system achieves just 20 $kgCO_2/m^2$, based on an independently verified Environmental Product Declaration (EPD).

This achievement reflects our customer's commitment to sustainability through early-stage collaboration and innovative design.

Peter Kelly, Sustainability Director at Tate, confirms that the success stems from three like minded businesses coming together and aligning on sustainability goals: "Collaboration is the key to making significant impact when it comes to meeting sustainability aspirations. Tate is proud to provide innovative, sustainable products to our customers, and we're excited to see these solutions making a real difference on the ground."

This initiative sets a new benchmark for sustainable construction in the data centre sector and reinforces our customers' mission to be great to the world and communities around us.

Lower Embodied Carbon | Advnsys

Introduction of ECOFIL LEC / ECOFIL PREMIUM LEC

Ecofil LEC® and Ecofil Premium LEC® are pioneering LEC continuous rooflight solutions that combine performance with environmental responsibility. Both products are manufactured with 50% recycled polycarbonate and aluminium, forming part of our LEC portfolio in France.

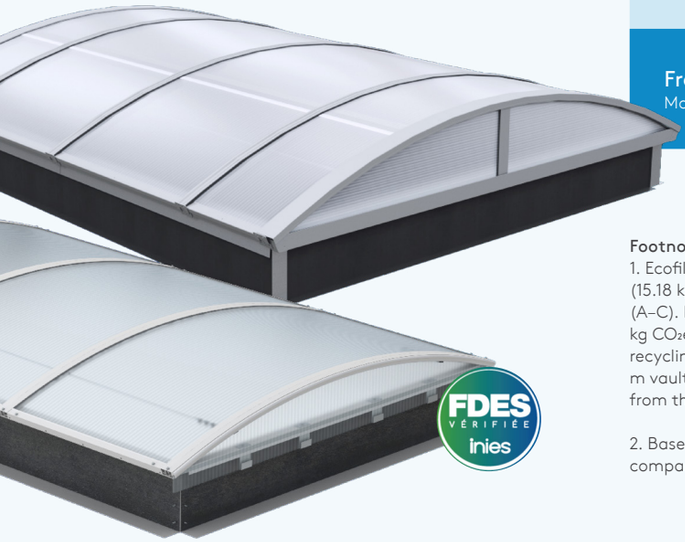
Ecofil Premium LEC achieves a 32% reduction in embodied carbon for life cycle modules A1–A3, while Ecofil LEC achieves a 33% reduction[1], compared with their respective standard products. These results are verified through FDES (Fiche de Déclaration Environnementale et Sanitaire) in accordance with NF EN ISO 14025 and NF EN 15804+A2/CN.

To put this into perspective, a typical reduction of 15 kg CO_2e per unit is roughly equivalent to driving an average European passenger car about 125 km[2], helping make the benefit more tangible.

These solutions support compliance with French building regulations and help contribute to credits in international green building standards on a project-by-project basis.

"Ecofil LEC and Ecofil Premium LEC are made from 50% recycled materials and have verified carbon reductions. They set a new benchmark for our lower embodied carbon rooflights in France and support RE 2020 compliance."

Frédéric Jullien
Managing Director



Footnote:
1. Ecofil Premium LEC achieves a 31.76% reduction in A1–A3 (15.18 kg CO_2e per UF) and 28.63% across the full life cycle (A–C). Ecofil LEC achieves a 32.77% reduction in A1–A3 (21.5 kg CO_2e per UF) and 30.5% across A–C, assuming a 95% recycling / 5% landfill scenario. All figures refer to a 2 m × 10 m vault. FDES are third-party verified and can be downloaded from the INIES website.

2. Based on an average car emitting 120 g CO_2/km. Illustrative comparison only.

Expanding Our KILON LEC Polycarbonate Range with KILON LEC Solid Sheet

We are pleased to introduce KILON LEC Solid Sheet, the latest addition to our KILON polycarbonate range. This new sheet is designed with a lower embodied carbon footprint, achieving a 37% reduction in A1–A3 modules compared with the standard KILON Solid Sheet, as verified by independent Environmental Product Declarations (EPDs).

Already part of the LEC range, KILON LEC Multiwall delivers a 56% reduction in A1–A3 modules relative to the standard Multiwall product. Both KILON LEC products contain 50% post-consumer resin and have independently verified EPDs in accordance with ISO 14025 and EN 15804+A2.

With this expanded range, specifiers and customers can select polycarbonate products with a lower embodied carbon for a variety of applications, from rooflights and louvres to hot aisle containment systems.

"Our KILON LEC range delivers independently verified reductions in embodied carbon, compared with standard KILON products, across an expanding portfolio of polycarbonate solutions."

Aristides Ioannou
R&D and Innovation Manager

Notes:
- Reductions are based on comparisons with the respective standard product versions.
- KILON LEC Solid Sheet achieves a 37.44% reduction in A1–A3 modules and 30% across modules A–C (recycling and landfill scenarios), equivalent to 1.46 kg CO_2e saved per kg.
- KILON LEC Multiwall achieves 56.4% reduction in A1–A3 modules and 35.6% (100% incineration) to 48.7% (100% recycling) across A–C modules, equivalent to 2.98 kg CO_2e saved per kg.

Bio-based products | Insulated Building Envelopes

STEICO Wood Fibre Insulation

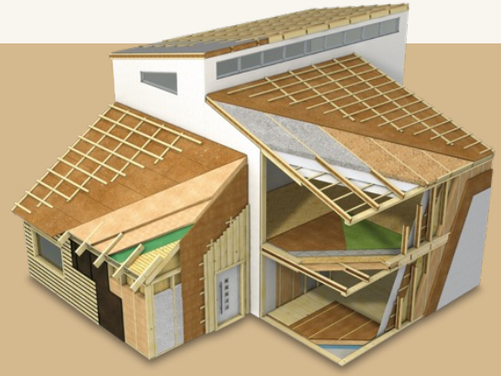
With Florian Manz, Technical Director – STEICO Group

Q: Can you give an introduction to STEICO and the advantages of your wood fibre products?
I'm the technical director of STEICO Group with a European team of more than 30 experts. Starting from niche products to now becoming the leader in wood fibre production, we have a fantastic range of multi-functional wood fibre insulation. Made from softwood, its permeability to water vapour helps prevent moisture buildup which protects from structural damage, prevents overheating in summer while retaining warmth in winter. We are always working together with our R&D department to make our products better and easier to use for our customers.

Q: The breadth of STEICO's product portfolio is impressive, can you tell us a bit about that?
I would say that STEICO wood fibre insulation materials have a multifunctionality. The technical properties of the various insulation products are really different. We offer products for the roof, floor and in-ceiling applications while we also have products for cavity insulation, a flexible mat and air injected insulation materials. For exterior applications, we have rigid boards and soaking boards for the outside of the building envelope and we also offer structural products. With low thermal conductivity and a high density, this makes the material unique and allows combining different properties for the building envelope.

Q: What are you excited about for the future?
I'm excited to see us bring all the knowledge from Kingspan Group, from the different countries together, for joint projects and further innovations to strengthen and develop our wood fibre products. STEICO's wide range of wood fibre insulation products strengthens Kingspan's bio-based offering and supports the Group's ambition to provide a full spectrum of insulation solutions.

Florian Manz
Technical Director
STEICO Group



STEICO product range

STEICO Wood fibre Insulation

STEICO Laminated Veneer Lumber

STEICO I-joists

STEICO Blow-In Insulation

Zero-energy microgrid community

Carpenters Yard, Epping Forest, UK

We are very proud to have been involved in a development called Carpenter's Yard in Epping. There are 113 homes on the site which have been designed with the latest technologies in air source heat pumps, photovoltaic systems and battery storage.

The homes utilise three different types of STEICO products including STEICO*flex*, which is a flexible installation board for use in their systems, STEICO *Special Dry*, a more rigid board for a different area of the building, and also STEICO *I-joist* a structural product for use in timber frame walls, floors and roofs.

The building technologies combined with STEICO insulation means that the occupants should not incur any energy bills for the first five to 10 years so that it can become the first zero-energy microgrid community.

Insulate + Generate | PowerPanel

The One-Day PowerPanel Installation

PowerPanel is an insulated roof panel which combines QuadCore insulation technology,lower embodied carbon steel and photovoltaic (PV) technology to deliver renewable energy.

Talking to customers about what they would like to see when it comes to renewable energy solutions, the quality of installation can be a challenge. With PowerPanel, the panel itself acts as a chassis for a factory applied PV module so a key benefit is the fact it's a fully integrated solution with factory assured quality.

Developed with cross-department collaboration within our business, the first PowerPanel installation in the UK was completed in 2025. With its slimline design, the system enables faster, safer builds (fully installed in just one day using a tower crane and Cladboy vacuum lifter) supported by our Kingspan Easy Deck. With a 25-year insurance-backed system warranty, it's made to perform and built to last.

PowerPanel epitomises the Insulate + Generate concept perfectly by combining high performance QuadCore thermal efficiency and leading photovoltaic technology – creating a single solution to help future proof building projects.

PLANET PASSIONATE COMMUNITIES

We support local communities in implementing projects related to environmental protection and improving quality of life.

390+
Projects completed to date

Our Approach

Since 2021, Planet Passionate Communities, the philanthropic arm of our Planet Passionate programme, has been operating efficiently. This initiative provides people and communities around the world with the support they need to implement such projects, ultimately enriching community life. At the heart of the programme is the ambition to create a positive legacy and a better world, and it is already having a real impact at local and global levels.

At the local level, our businesses devote their time and resources to supporting community projects. Through the initiative, our employees have delivered over 250 environmental, educational, and wellbeing community projects since 2021.

On a global level, we have joined forces with Big Life Foundation, a leading conservation organisation working to protect over 1.6 million acres of wilderness in the Greater Amboseli ecosystem of East Africa. This partnership reflects our commitment to supporting initiatives that create lasting positive impact for both people and the environment.

Group-wide Projects & Initiatives

Big Life Foundation

We are proud to announce that, as part of our Planet Passionate programme, we have joined forces with Big Life Foundation - a leading conservation organisation working to protect over 1.6 million acres of wilderness in the Greater Amboseli ecosystem of East Africa. This partnership reflects our commitment to supporting initiatives that create lasting positive impact for both people and the environment.

Big Life Foundation operates at the forefront of wildlife conservation, partnering closely with local Maasai communities to safeguard East Africa's iconic species and habitats. Their work includes protecting one of the world's most iconic elephant and lion populations, mitigating human-wildlife conflict, and preserving critical migration corridors. Through innovative strategies and community engagement, Big Life has dramatically reduced poaching and continues to provide employment, education, and essential services to local communities.

Through this multi-year partnership, Kingspan will sponsor Big Life's Nairrabala Ranger Unit, safeguarding the 37,500-acre Nairrabala Conservancy in Kenya, a vital wildlife corridor linking Amboseli National Park to the wider Amboseli–Tsavo–Kilimanjaro ecosystem.

"None of this work happens without our supporters. Partnerships with donors are crucial – corporate sponsors like Kingspan protect elephants, lions, and their habitat and empower local communities. To achieve our long-term goals, Big Life's operations must grow, and financial support is the only way to make that happen. Thank you!"

Craig Millar
COO Big Life Foundation

Together with GOAL, Kingspan has completed the Sayri Molina hospital recovery wing, a 400 m² facility that will expand critical care for up to 70,000 patients. This new wing carries the name of Sayri Molina, a beloved GOAL programme officer who dedicated her life to helping others and sadly passed away during the pandemic. Through our Planet Passionate Communities initiative, Kingspan supported in funding material and specialists worked side by side with local builders to ensure the highest standards of care.

KingSpin

Annual charity initiative

48 cyclists, comprising Kingspan employees, their families and friends, set off on a four-day, 400 km challenge across Croatia, Slovenia and Italy to raise vital funds for ARC Cancer Support Centres. We are very proud to have raised an impressive €378,374!

Planet Passionate Week

Planet Passionate Week is our annual initiative dedicated to raising awareness and encouraging action around key environmental topics, as a part of our Planet Passionate programme.

Throughout the week, our teams take part in activities designed to inspire learning and collaboration, including:

- Educational sessions on topics like energy efficiency and sustainable practices.
- Community projects such as clean-ups, tree planting, or supporting local initiatives.
- Internal campaigns that promote practical steps for reducing waste and conserving resources.
- Sharing updates on progress within the Planet Passionate programme.

Planet Passionate Week is about coming together globally to learn, take action, and make a positive impact in the communities where we live and work.

River Clean-Up and Tree Planting

Cambui, Brazil
Kingspan Isoeste

With support from the Municipal Department of Environment, our Cambuí unit carried out a clean-up along the Antas River and planted large native trees in the newly revitalised garden at the city's entrance, reinforcing our commitment to protecting natural resources and enhancing green spaces in the community. By combining river clean-up with native tree planting, we contributed to local ecosystem restoration and encouraged environmental awareness and collective responsibility among employees and residents.

Internal 'Flea Market'

Bolszewo, Poland
Balex Metal

Swap it Forward! gave unwanted items a second life through an internal 'flea market' initiative where employees swapped items such as books, clothes, electronics, and toys. The goal was to prevent these items from being discarded while they still had value and to encourage reuse. The project served two purposes: promoting item swapping instead of throwing things away and facilitating the responsible collection of e-waste.

Roof Renovation at Stepney City Farm

London, United Kingdom
Onduline, Roofing + Waterproofing

Our UK Onduline team stepped in to help restore the roof at Stepney City Farm - a treasured green sanctuary in the heart of Tower Hamlets. This vibrant community hub is home to animals and gardens, and it offers life-changing educational experiences for local families. Each year, more than 5,000 children and young people take part in free classes, tours, and projects, learning about sustainability, farming, and nature. By providing durable roofing, we've helped protect this vital space so it can continue inspiring future generations.

Communities Projects | Highlights

‘Just a Drop’ Organisation Support

Kenya
Kingspan Light, Air + Water

Just a Drop: Four years of measurable impact in Kenya. Since 2022, we have supported almost 1,000 people by providing them with access to safe water and sanitation. This project has contributed to improved school attendance and hygiene, reducing illness-related absenteeism.

“Through our partnership with Just a Drop, we’ve seen first-hand how clean water transforms communities, supports education, and empowers future generations. It’s incredibly rewarding to know that every tank built, and every student supported is part of a legacy of change.”

Cheryl Graham
Marketing Director
Kingspan Light, Air + Water

Schools & Classrooms Building

Senegal
Teczone - Kingspan Insulated Panels EAA

We contributed to Bantandicor’s school-building projects in Senegal by supplying Teczone steel roof decks for all educational facilities. The proven durability of these roofs at the primary school led to their selection for the secondary school, which will eventually include 8 buildings and 12 classrooms. This initiative is demonstrating how we extend our sustainability mission to deliver meaningful social impact through education and infrastructure.

Impact on the Local Community

St.Paul, Virginia, United States
Tate US

The St. Paul project transformed a long-abandoned industrial site into a thriving hub, bringing new life to the local community. It created over 170 permanent jobs and additional construction roles, offering stable employment and career opportunities for residents. Supported by state and regional grants, the initiative also funded workforce training and infrastructure improvements, ensuring long-term benefits for families and businesses. Beyond economic growth, the project revitalised a neglected space, fostering pride and resilience in the community while laying the foundation for future development.

Communities Projects | Highlights

Hygiene Product Donation

DeLand, Florida, United States
Kingspan Insulated Panels North America

At our DeLand site, our employees responded to statistics showing that students lacking access to basic hygiene items are more likely to suffer from low self-confidence, resulting in decreased class participation and lower academic achievement. In the summer of 2025, they collected a large quantity of hygiene products and delivered them to a local secondary school, providing valuable support to the local community.

NMITE Students Visit and Lecture

Pembridge, United Kingdom
Kingspan Insulation

"We are working closely with the NMITE to share knowledge and practice with the next generation of engineers, helping to develop skills that will further the use of renewable energy in manufacturing. This was a great experience for the students and staff, exploring ideas and real-life applications."

Lisa Conway
Brand Marketing Manager
Kingspan Insulation GB&I

Kingscourt Tidy Towns Partnership

Kingscourt, Ireland
Kingspan Group

Kingspan partnered with Kingscourt Tidy Towns to install solar-powered Big Belly bins in the community where Kingspan's story started.

These smart waste stations automatically compact rubbish and use built-in sensors to monitor fill levels, reducing collection frequency, minimising emissions, and keeping the town's streets cleaner.

This collaboration reflects our deep connection to Kingscourt and our continuing commitment to create tangible environmental and social benefits in the communities where our people live and work.

Communities Projects | Highlights

Activities for the Families

Bristol, Connecticut, United States
Morin

Employees from Morin's Bristol team volunteered at the annual Bristol Mum Festival, leading an activity where children decorated reusable bags to highlight the importance of reducing single-use materials.

"Engaging with our local community is an essential part of what Planet Passionate stands for. By taking part in the Bristol Mum Festival, we're doing our part to inspire sustainable habits close to home. I'm grateful to our volunteers whose enthusiasm made this initiative such a meaningful success."

Thyelle Pinheiro
Marketing Specialist
Morin

Sydney Parklands Clean-Up

Sydney, Australia
Kingspan Insulated Panels & Tate

The Tate and Kingspan Insulated Panels Teams joined forces to clean up Western Sydney Parklands. They came together to make a real difference by caring for their environment and community.

Supporting Biodiversity Through Community Partnership

Gemert, the Netherlands
Kingspan Insulation, Unidek

The Kingspan Unidek community team in Gemert partnered with NEC De Specht to create pollinator habitats, transforming 2,889 m² of unused land into a wildflower meadow complete with an insect hotel, and funding the construction of a walk-through bee hotel at NEC De Specht. This walk-through structure features glass observation panels and provides educational resources for beekeepers, establishing productive habitats and public learning spaces to raise awareness of biodiversity.

"With initiatives like these, we demonstrate that sustainability is not only a strategic goal, but also something we can achieve together at a local level."

Michiel Verbraak
Managing Director
Kingspan Unidek

Garraf Beach Clean-Up

Barcelona, Spain
Synthesia Technology

Fifty-five volunteers from our Spanish Synthesia office cleaned Garraf Beach. They collected over 285 kg of waste in total, making a real contribution to the local environment.

APPENDICES

A1: Planet Passionate metrics
A2: Environmental indicators
A3: Assurance statement

Photography Credits:

Report cover: Wyatt + Gray Architects

Planet Passionate Breaker Page (p.7): Big Life Foundation & Joshua Clay

Water Breaker Page (p.34): Gilles Dedeurwaerder

Seven Clean Seas Partnership (p.37): Seven Clean Seas

rePurpose Partnership (p.38): rePurpose Global

Clearbot Partnership (p.38): Clearbot

4ocean Partnership (p.39): 4ocean

Big Life Foundation Partnership (p.52): Big Life Foundation & Jeremy Goss

GOAL Partnership (p.52): GOAL

Appendix 1: Planet Passionate Metrics

Planet Passionate Targets		Target Year	2020	2022	2023	2024	2025
Carbon	65% reduction in scope 1 and 2 GHG emissions from 2020 (tCO_2e)[1]	2030	882,481	699,982	474,225	342,365	261,793
	15% reduction in carbon intensity from key raw materials from 2020 (%)	2030	-	2.0	2.6	3.3	4.0
	Carbon Intensity key raw materials (tCO_2e/t)	-	2.736	2.681	2.665	2.646	2.626
	≥90% zero emission company cars (annual replacement %)	2030	-	-	-	-	97%
Energy	60% Renewable energy consumption (%)[1]	2030	20.0%	34.6%	35.0%	59.4%	63.4%
	Total Energy Use (GWh)[1]		634.0	828.4	929.6	2,538.3	2,640.7
	Renewable Energy Purchased and Used (GWh)[1]		100.8	240.0	258.8	760.4	916.8
	Onsite renewable energy generated and consumed (GWh)[1]		26.3	46.7	66.7	747.5	756.4
	Onsite renewable energy generated (GWh)[1]		31.1	60.5	81.9	765.8	777.0
	Solar PV systems on all wholly owned sites (%)	2030	20.7%	33.9%	49.6%	56.8%	61.3%
	No. of wholly owned sites		92	124	133	139	142
	Wholly owned sites with Solar PV		19	42	66	79	87
	ISO 50001 certification for large sites (%)	2030	-	-	-	-	50.0%
	No. of large sites		-	-	-	-	52
	Large sites with ISO 50001 certification		-	-	-	-	26
Circularity	Zero company waste to landfill (tonnes)[1]	2030	18,668	11,548	12,395	22,229[2]	19,786
	Total Recycled and renewable materials (t)	2030	-	-	-	-	1,053,851
	Total product takebacks & recycling schemes (no.)	2030	-	-	-	-	10
	Recycle 1 billion PET bottles into our manufacturing processes (million bottles)	2025	573	803	858	1,102	1,266
Water	Harvest 100 million litres of rainwater (ML)[1]	2030	20.1	27.4	56.7	63.0	57.3

[1] Includes restated figures for historical data due to improved data collection, change in calculation methodologies and structural changes.
[2] Restated figure includes previous omission of waste storage of 9,844t related to a 2024 acquisition.
Note: See definitions and boundaries for all metrics in table below.

Appendix 1 (cont'd): Planet Passionate Metrics

Planet Passionate targets and relevant metrics		
Category	**Target/metric**	**Definitions and boundaries**
Carbon	65% reduction in scope 1 and 2 GHG emissions	Definition: Minimum 65% absolute reduction in scope 1 & 2 (market-based methodology) Greenhouse Gas (GHG) emissions (excluding biogenic emissions). We do not include carbon credits in our disclosures or towards our targets. Our GHG emissions are calculated in line with the GHG protocol and our base year (2020) is recalculated to reflect impact of acquisitions and disposals. Target progress is measured as a percentage reduction from the target base year (2020). Boundary: All Kingspan manufacturing, R&D and assembly sites.
	15% reduction in carbon intensity for key raw materials	Definition: Carbon intensity is the ratio between the total emissions (tCO_2e) related to the key raw materials and their total mass (tonnes). Progress against target is measured as a percentage reduction from the base year (2020). Boundary: GHG emissions related to key raw materials (i.e steel, aluminium, polyol, MDI and mineral fibre), excluding bio-based materials. As our Synthesia business is a key internal supplier, they are treated as a supplier for the purpose of this target and excluded from the boundary.
	≥90% Zero emissions company cars - annual replacements	Definition of a zero emissions car is a car with zero emissions at the tailpipe/in use, in line with Regulation (EU) 2019/631. The energy used to power the vehicle and the embodied emissions from manufacturing are not included. Boundary: The target includes company cars – leased and owned. It excludes car allowances, service vehicles, vans and trucks. Includes 100% owned Kingspan businesses.
Energy	60% renewable energy consumption	Definition: Proportion of our annual energy consumption which is deemed renewable. 'Renewable energy' consumption is defined as energy used to directly power our manufacturing processes either through consumption of renewable energy generated on-site or via a purchase of renewable energy products and/or bundled energy and renewable energy certificates from energy suppliers. Boundary: All Kingspan manufacturing, R&D and assembly sites.
	ISO 50001 certification for large sites	Definition: Proportion of sites which hold a valid ISO 50001 certificate or relevant audit report in the reporting year. Boundary: Large sites are manufacturing/assembly/R&D sites with equal to or greater than 4.95 GWh annual energy consumption (based on prior year). Includes sites which are operational at the start of the reporting period. Sites sold during the reporting year are excluded from the target boundary.
	Solar PV systems on all wholly owned sites	Definition: Proportion of sites that are wholly owned by the Kingspan Group that have solar PV systems installed. Boundary: Owned Kingspan manufacturing, R&D and assembly sites. Includes 100% owned Kingspan businesses.
	On-site renewable energy generation	Definition: Renewable energy generated on-site, both consumed and exported.
	Total energy consumption	Definition: Aggregate amount of energy consumed across all manufacturing, assembly, and R&D sites, including both direct and indirect energy usage.
Circularity	Zero company waste to landfill	Definition: Achieving at least 90% reduction in waste to landfill from a 2020 base year. Boundary: Kingspan Group manufacturing, assembly and R&D sites.
	Waste generation	Definition: Total waste generated from activities across manufacturing, assembly and R&D sites.
	1.5 million tonnes of recycled and renewable raw materials used annually	Definition: Amount of renewable and recycled raw materials reported annually (tracked via invoices). Recycled materials definition: waste materials which have been reprocessed by a recovery operation into products, materials or substances whether for the original or other purposes including the reprocessing of organic material. It can be either pre-consumer or post-consumer recycled material but must not be a by-product or the reprocessing into materials that are to be used as fuels or for backfilling operations, in order to contribute to the target. (source: EU WFD). Renewable materials definition: Sustainably sourced materials, most often demonstrated by internationally recognised certification schemes, that, after extraction, return to their previous stock levels by natural growth or replenishment processes at a rate in line with use cycles. Therefore, they are replenished or regrown at a faster rate than harvested or extracted. (source: ESRS, 2025). Boundary: All Kingspan businesses.
	Facilitate 20 product takeback and recycling schemes	Definition: Number of takeback or recycling schemes in place at the end of the reporting period. Takeback scheme definition: A scheme that has been set up to facilitate the recovery of products at end-of-life and ensure they are either reused, or the materials are remanufactured or recycled and ultimately diverted from incineration and landfill. At least 90% of the product composition should be sent to recovery operations. The recovery operation can be managed by either Kingspan or a third party. Recycling scheme definition: A Kingspan managed operation that has the capability to process production waste, construction site waste or products at end-of-life and divert the material from landfill and incineration through remanufacturing, recycling or preparation for reuse. At least 90% of the product/material composition should be sent to recovery operations. Boundary: All Kingspan businesses.
	Recycle 1 billion PET bottles into our manufacturing processes	Definition: Incorporating recycled PET to the equivalent weight of 1 billion PET bottles into our manufacturing processes.
Water	Harvest 100 million litres of rainwater annually	Definition: Rainwater that is harvested and either used, sold or donated. Boundary: All Kingspan manufacturing, assembly and R&D sites.
	Water withdrawal	Definition: Water that is withdrawn from an area and is used up through manufacturing processes, human consumption etc.

Appendix 2: Environmental Indicators

	2020[1]	2022[1]	2023[1]	2024[1]	2025
Energy (MWh)					
Total energy consumption	**634,001**	**828,435**	**929,637**	**2,538,263**	**2,640,702**
Total fossil energy consumption	506,925	541,669	604,153	1,030,361	967,524
Share of fossil sources (%)	80%	65%	65%	41%	37%
Coal and coal products	0	0	0	126,816	154,679
Crude oil & petroleum products	84,830	103,735	93,622	105,213	109,749
Natural gas	279,616	334,979	415,945	611,764	617,857
Other fossil sources[2]	19,822	24,116	15,381	8,944	9,298
Purchased electricity/heat/steam/cooling from fossil sources[3]	122,657	78,839	79,205	177,624	75,941
Consumption from nuclear sources[3]	n/a	n/a	n/a	n/a	n/a
Total renewable energy consumption	127,076	286,766	325,484	1,507,902	1,673,178
Share of renewable sources (%)	20%	35%	35%	59%	63%
Renewable fuel	18,416	52,276	65,272	1,089,267	1,140,905
Purchased renewable electricity/heat/steam/cooling from renewable sources	97,747	216,206	235,310	389,070	492,050
Self-generated, non-fuel	10,913	18,284	24,902	29,565	40,223
Total energy production	**42,099**	**73,489**	**90,465**	**815,385**	**837,4323**
Non-renewable energy production	10,993	13,011	8,555	49,613	60,393
Renewable energy production	31,106	60,478	81,910	765,772	777,040

Note. Boundary: includes manufacturing, assembly, and R&D sites within the Kingspan Group, excluding acquisitions made after 30th September 2025, which have negligible environmental impacts due to data unavailability.
[1] Includes restated figures for historical data due to update of certain estimated values to actuals.
[2] Includes other non-renewable, non-fossil sources.
[3] We're not actively sourcing energy from nuclear sources; however, the non-renewable electricity we purchase might include nuclear sources.

Appendix 2 (cont'd): Environmental Indicators

	2020[1]	2022[1]	2023[1]	2024[1]	2025
Carbon (tCO_2e)					
Gross Scope 1 GHG emissions	615,382	453,928	273,653	239,336	240,872
Biogenic CO_2 emissions	387,679	457,489	358,965	396,075	412,412
Gross location-based Scope 2 GHG emissions	259,464	226,886	206,616	214,665	177,249
Gross market-based Scope 2 GHG emissions	267,099	246,054	200,572	103,029	20,921
Scope 3 (tCO_2e)	9,586,317	8,429,374	7,515,593	7,060,405[2]	7,311,988
Purchased goods and services	7,956,323	7,114,105	6,503,611	6,315,645	6,602,424
Capital goods	89,235	110,729	211,426	137,461	77,728
Fuel and energy related activities	120,984	156,032	138,114	142,620	137,059
Upstream transportation and distribution	306,209	198,592	299,742	234,274	254,675
Waste Generation in operations	7,545	7,418	8,153	12,604[2]	9,094
Business travel	46,595	58,693	74,389	24,328	24,530
Employee commuting	31,089	30,354	30,333	33,598	38,365
Process of sold products	75,466	57,664	52,078	38,563	37,752
Use of sold products	472,762	329,629	55,363	7,947	8,690
End of life treatment of sold products	480,109	366,158	142,384	113,365	121,671
Total GHG emissions (location-based)	10,461,163	9,110,188	7,995,862	7,514,406[2]	7,730,109
Total GHG emissions (market-based)	10,468,798	9,129,356	7,989,818	7,402,770[2]	7,573,781
Non-HFC process emissions (not included in Scope 1)	7,036	10,513	11,517	11,581	10,053

Note 1. Boundary: includes manufacturing, assembly, and R&D sites within the Kingspan Group, excluding acquisitions made after 30th September 2025, which have negligible environmental impacts due to data unavailability. Sources excluded (e.g. offices) are not believed to be material.
Note 2. GHG emissions include the following GHG gases: CO_2, CH_4, N_2O and HFCs. PFC, SF_6, and NF_3 are not included as they are not considered to be associated with our inputs. For more information on calculation methodologies and assumptions related to our GHG emissions, please see Appendix 6 of our CSRD sustainability statement.
[1] Includes restated figures due to improved data collection, emission factor updates, change in calculation methodologies and recalculations due to structural changes.
[2] Restated figure includes previous omission of waste storage of 9,844 t related to a 2024 acquisition (impact on GHG emissions of 7,624 tCO_2e).

Appendix 2 (cont'd): Environmental Indicators

	2020[1]	2022[1]	2023[1]	2024[1]	2025
Circularity (tonnes)					
Waste Generated	93,772	137,559	147,848	181,176[2]	185,136
Non-hazardous waste	87,081	127,632	140,593	172,181[2]	174,923
Hazardous waste	6,691	9,927	7,255	8,995	10,213
Waste generated by disposal type					
Recycling & Reuse	63,913	95,413	103, 633	118,183	131,339
Incineration & Recovery, including energy recovery	11,191	30,490	31,690	40,593	33,628
Landfill	18,668	11,548	12,395	22,229[2]	19,786
Rest	0	108	130	171	384
Water (m^3)					
Total water withdrawal	437,278	671,986	800,290	2,231,192	2,107,140
Third-part water	345,236	466,940	528,515	599,151	632,764
Ground water	71,991	177,604	215,038	243,626	224,521
Harvested rainwater	20,051	27,442	56,737	62,995	57,268
Surface water	0	1	0	1,325,420	1,192,586

Note: Boundary includes manufacturing, assembly, and R&D sites within the Kingspan Group, excluding acquisitions made after 30th September 2025, which have negligible environmental impacts due to data unavailability. Sources excluded (e.g. offices) are not believed to be material.
[1] Includes restated figures for historical data due to update of certain estimated values to actuals.
[2] Restated figure includes previous omission of waste storage of 9,844t related to a 2024 acquisition.

Appendix 3: Assurance Statement

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Independent practitioner's assurance report to The Directors of Kingspan Group plc

Scope

We have been engaged by Kingspan Group plc (Kingspan) to perform a 'limited assurance engagement', as defined by International Standards on Assurance Engagements, here after referred to as the engagement, to report on Kingspan's selected Subject Matter information (the 'Subject Matter') contained in Kingspan's Planet Passionate Report for the year ended 31 December 2025 (the 'Report'). The Subject Matter comprises the following:

Metric	Quantity	Units	Page number[1]
Gross Scope 1 GHG emissions	240,872	tCO_2e	61
Biogenic CO_2 emissions	412,412	tCO_2e	61
Gross location-based Scope 2 GHG emissions	177,249	tCO_2e	61
Gross market-based Scope 2 GHG emissions	20,921	tCO_2e	61
Scope 3 (tCO_2e) Purchased goods and services Capital goods Fuel and energy related activities Upstream transportation and distribution Waste Generation in operations Business travel Employee commuting Process of sold products Use of sold products End of life treatment of sold products	Total: 7,311,988 C1: 6,602,424 C2: 77,728 C3: 137,059 C4: 254,675 C5: 9,094 C6: 24,530 C7: 38,365 C10: 37,752 C11: 8,690 C12: 121,671	tCO_2e	61
Non-HFC process emissions (not included in Scope 1)	10,053	tCO_2e	61
Carbon Intensity key raw materials (tCO_2e/t)	2.626	tCO_2e/t	58
Total energy consumption	2,640,702	MWh	60
Total renewable energy consumption	1,673,178	MWh	60
Onsite renewable energy generated (GWh)	777.0	GWh	58
Solar PV systems on all wholly owned sites (%)	61.3%	%	58
ISO 50001 certification for large sites (%)	50.0%	%	58
Total water withdrawal	2,107,140	m^3	62
Harvested rainwater	57,268	m^3	62
Waste Generated	185,136	tonnes	62
Waste generated by disposal type - Landfill	19,786	tonnes	62

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Metric	Quantity	Units	Page number[1]
Zero emission company cars (annual replacement %)	97%	%	58
Total product takebacks & recycling schemes (no.)	10	no.	58
Total Recycled and renewable raw materials (t)	1,053,851	tonnes	58
Recycled PET bottles into Kingspan's manufacturing processes (million bottles)	1,266	Million bottles	58

1: Page numbers refer to Kingspan's Planet Passionate Report 2025

Other than as described in the preceding table, which sets out the scope of our engagement, we did not perform assurance procedures on the remaining information included in the Report, and accordingly, we do not express a conclusion on this information.

Criteria applied by Kingspan

In preparing the Subject Matter, Kingspan applied Kingspan's specific criteria as described in the definitions in Appendix A1 of the Planet Passionate Report and the accounting requirements of World Resources Institute Greenhouse Protocol (Criteria). Such Criteria were specifically designed by Kingspan for the purposes of reporting on the Subject Matter.

As a result, the subject matter information may not be suitable for another purpose.

Kingspan's responsibilities

Kingspan's management is responsible for selecting the Criteria, and for presenting the Subject Matter in accordance with that Criteria, in all material respects. This responsibility includes establishing and maintaining internal controls, maintaining adequate records and making estimates that are relevant to the preparation of the subject matter, such that it is free from material misstatement, whether due to fraud or error.

EY's responsibilities

Our responsibility is to express a conclusion on the presentation of the Subject Matter based on the evidence we have obtained.

We conducted our engagement in accordance with the International Standard for Assurance Engagements Other Than Audits or Reviews of Historical Financial Information (ISAE 3000 (Revised)) and the International Standard on Assurance Engagements (ISAE 3410), Assurance Engagement on Greenhouse Gas Statements, and the terms of reference for this engagement as agreed with Kingspan on 4 February 2026. Those standards require that we plan and perform our engagement to express a conclusion on whether we are aware of any material modifications that need to be made to the Subject Matter in order for it to be in accordance with the Criteria, and to issue a report. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risk of material misstatement, whether due to fraud or error.

We believe that the evidence obtained is sufficient and appropriate to provide a basis for our limited assurance conclusions.

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Our independence and quality management

We have maintained our independence and confirm that we have met the requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, and have the required competencies and experience to conduct this assurance engagement. EY also applies International Standard on Quality Management 1, Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services engagements, which requires that we design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Description of procedures performed

Procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed. Our procedures were designed to obtain a limited level of assurance on which to base our conclusion and do not provide all the evidence that would be required to provide a reasonable level of assurance.

Although we considered the effectiveness of management's internal controls when determining the nature and extent of our procedures, our assurance engagement was not designed to provide assurance on internal controls. Our procedures did not include testing controls or performing procedures relating to checking aggregation or calculation of data within IT systems.

The Greenhouse Gas (GHG) quantification process is subject to scientific uncertainty, which arises because of incomplete scientific knowledge about the measurement of GHGs. Additionally, GHG procedures are subject to estimation (or measurement) uncertainty resulting from the measurement and calculation processes used to quantify emissions within the bounds existing scientific knowledge.

A limited assurance engagement consists of making enquiries, primarily of persons responsible for preparing the Subject Matter and related information and applying analytical and other appropriate procedures.

Our procedures included:

- Interviews with those responsible to confirm our understanding of Kingspan's business model and operations; GHG emissions sources; operation of oversight on the Subject Matter to assurance; and controls relating to the Subject Matter subject to assurance;
- A desktop review to assess GHG emissions and any potential risks of misstatement within the datasets;
- Preparation of a data trend analysis of the Subject Matter;
- Review of calculations, calculation methods and emission factors for completeness, accuracy and consistency;
- Review of the Subject Matter narrative included in the 2025 Planet Passionate Report for consistency with our limited assurance testing results and review of any limitations or assumptions.

We also performed such other procedures as we considered necessary in the circumstances.

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Conclusion

Based on our procedures and the evidence obtained, we are not aware of any material modifications that should be made to the Subject Matter for the year ended 31 December 2025, in order for it to be in accordance with the Criteria.

Restricted use

Our assurance work has been undertaken so that we might state to the Directors those matters we are required to state to them in a limited assurance report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the Entity and its Directors, as a body, for our limited assurance work, for this report, or for the conclusions we have formed.

Ernst & Young

Ernst & Young
Dublin, Ireland

25 February 2026