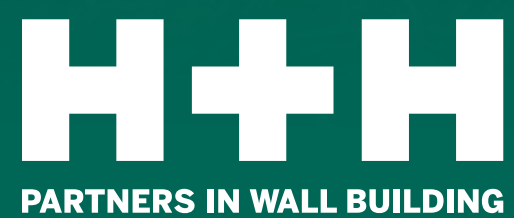


H+H UK ROADMAP



Committed to achieving net-zero carbon emissions by 2050

Our commitment to sustainability

“At H+H, we are committed to working closely with our customer partners in reducing the energy demand of new homes and with our supply chain partners to minimise the embodied carbon of our products.”

“Our actions are determined by and dedicated to achieving our goal of carbon neutrality by 2050.”

Calum Forsyth
Managing Director, H+H UK Limited

H+H International was the **first manufacturer of aircrete to have science-based targets approved in line with the ambitious 1.5°C global scenario**. Our carbon emission reduction targets are third-party approved and in line with the climate goals of the Paris Agreement: to limit global warming to well below 2°C above pre-industrial levels.

H+H International has committed by 2030 to reduce absolute Scope 1 and 2 greenhouse gas (GHG) emissions by 46%, from a 2019 base year and to reduce Scope 3 emissions by 22% per m³.

H+H UK’s own goals support this ambitious commitment as **we plan by 2030 to reduce our emissions intensity* by 50%, including Scopes 1, 2 and 3.**

*Emissions intensity: emissions per unit of product measured in kgCO₂e/m³

H+H International Goal

46%

reduction in absolute Scope 1 and 2 GHG emissions by 2030

22%

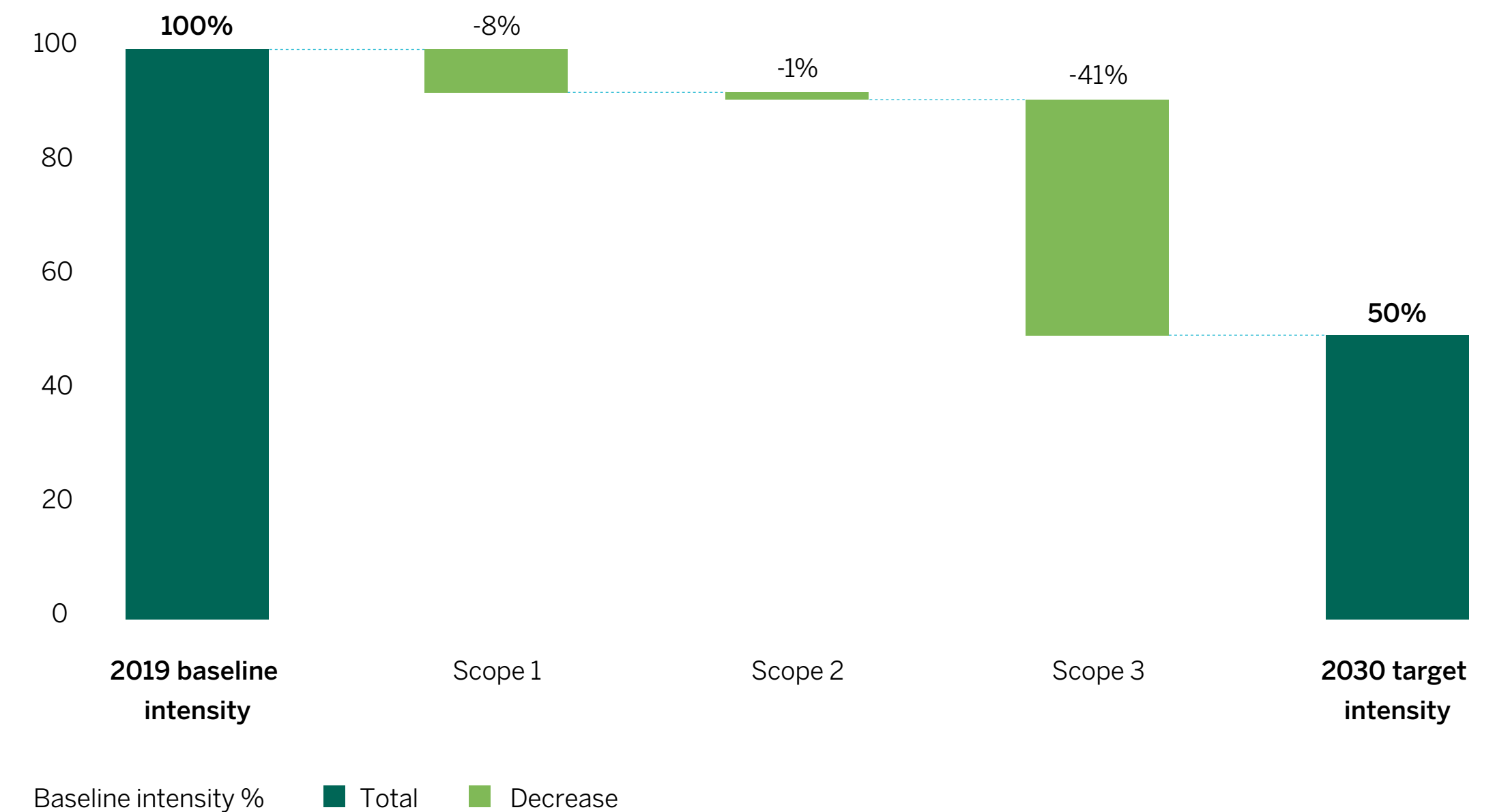
per m³ reduction in Scope 3 emissions by 2030

H+H UK Goal

50%

reduction in emissions intensity for Scopes 1, 2 and 3 by 2030

H+H UK Emissions Intensity Roadmap



Scope 1 and 2 emissions

We join our parent company in our commitment **to achieve net-zero emissions in our operations and products by 2050.**

Scope 1

Direct emissions from sources owned and controlled by H+H UK.

Scope 2

Indirect emissions that are generated on our behalf, e.g. from the production of purchased electricity.

Scope 3

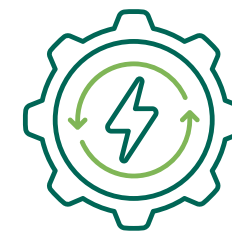
Emissions that the company is indirectly responsible for, e.g. from the manufacture of raw materials and distribution of finished goods.

Reducing our Scope 1 emissions



Gas efficiency improvements

We are installing new hydrogen-compatible gas burners within our factories. The first installation has already shown a significant reduction in gas usage, equating to a reduction in CO₂ emissions of over 600 tonnes annually.



Process efficiency optimisation

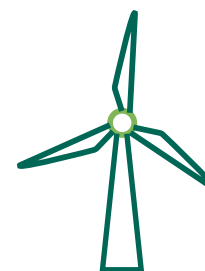
We are improving the utilisation of waste energy in the production of Celcon Blocks to reduce our energy demand. This and other process changes will be adopted across all sites.



Electric vehicle rollout

We are replacing our mobile plant and company vehicles with electric alternatives, with policies in place to ensure that any new company cars are at a minimum hybrid.

Reducing our Scope 2 emissions



Pollington wind turbine

We generated 20% of our entire UK electricity consumption in 2022 via our wind turbine.



Using 100% renewable energy

100% of the electricity needed to manufacture Celcon Blocks is acquired from renewable sources.



Improving electrical efficiency

Replacing lighting with more energy efficient LEDs is reducing our electricity usage by 200,000 kWh each year.

Scope 3 emissions - lime

Reducing our Scope 3 emissions

In 2022, at least 85% of the carbon emissions associated with H+H aircrete were attributed to our value chain, with the biggest contribution from lime and cement.

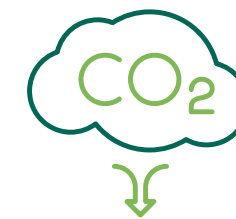
Reducing Scope 3 emissions is instrumental in achieving our carbon reduction ambitions. **To reach our 2030 goal, Scope 3 is expected to contribute a 41% reduction to our total emissions intensity.**

We are proud to be working closely with our suppliers who have robust plans in place to reduce their own emissions through innovative carbon reduction schemes.

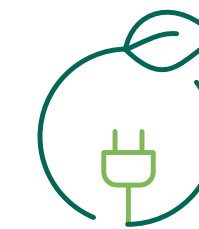
Singleton Birch



Singleton Birch is a member of MPA Lime which represents the UK's manufacturers of lime products. MPA Lime members have an ambitious shared goal to reach net negative CO₂ emissions by 2040.

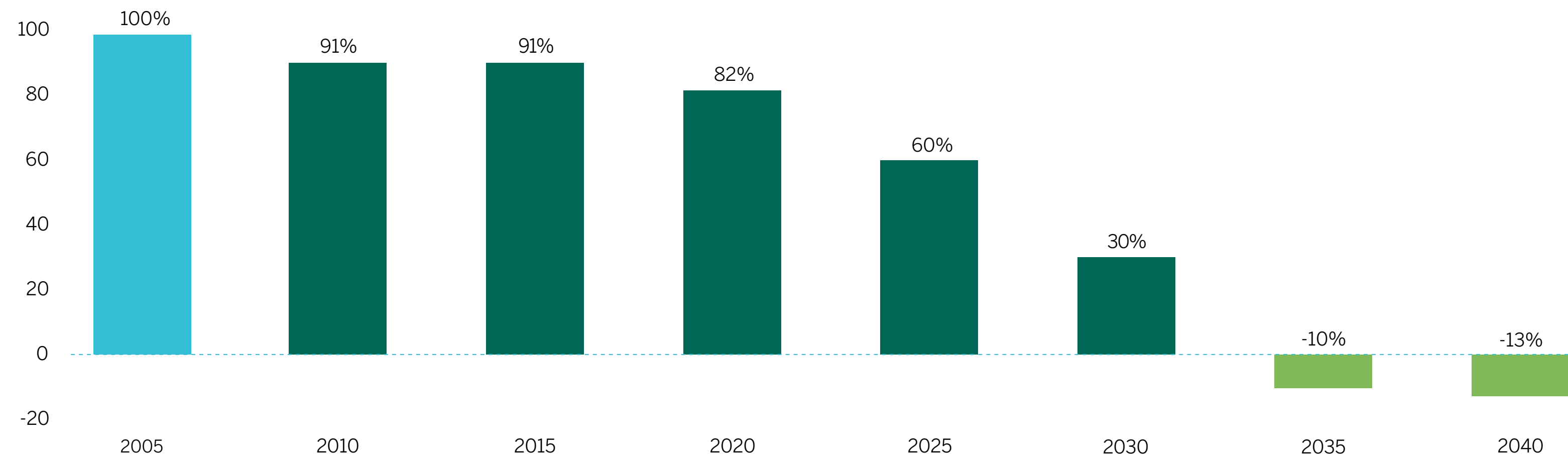


Singleton Birch is also taking an innovative approach to reducing carbon emissions by partnering on several projects including building a zero-carbon enabled pilot lime kiln with Origen Carbon Solutions.



Singleton Birch also generates 95% of its electricity through anaerobic digestion, a process by which organic matter is broken down to produce biogas for electricity, reducing the carbon emissions associated with electricity usage.

MPA Lime Net Negative 2040 Roadmap



Total emissions as a percentage of 2005 baseline year

Scope 3 emissions - cement

CEMEX UK

1.5°C

In line with H+H International, CEMEX has validated 2030 science-based targets to meet a 1.5°C scenario.

55%

In Europe and from a 1990 baseline CEMEX has a target to reduce by 55% its CO₂ emissions (kgCO₂e/tonne cementitious material).

41%

reduction achieved in CO₂ emissions (kgCO₂e/tonne cementitious material) in the UK in 2022.

100%

of CEMEX UK's electricity consumption comes from renewable energy sources.

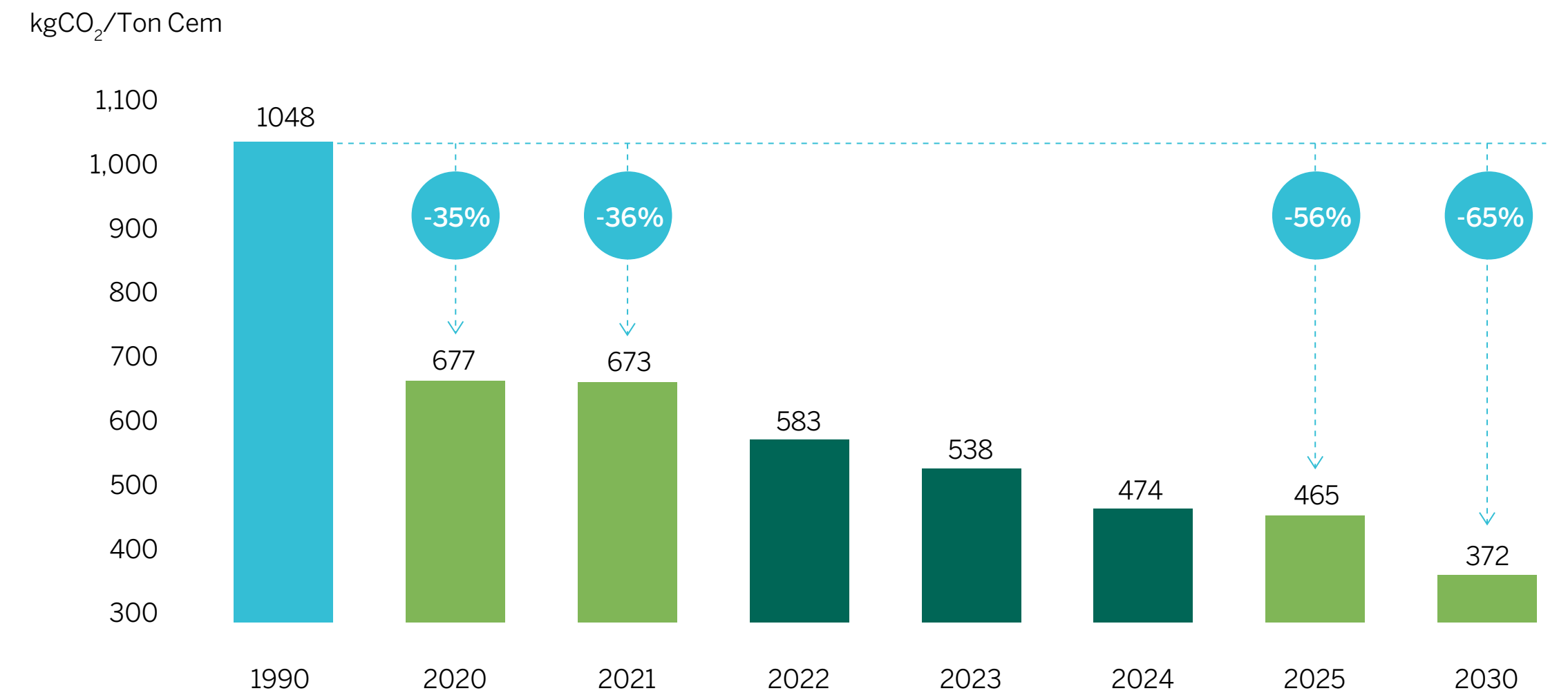
72%

In the UK CEMEX uses alternative fuels to part-replace fossil fuels used in the production of its cement, with a 72% (on mass or energy basis) alternative fuel usage rate.

Climafuel®

is used along with other alternative fuels at CEMEX UK's Rugby Cement Plant. The biomass content of Climafuel® means GHG emissions are significantly reduced, improving the embodied carbon of its cement products.

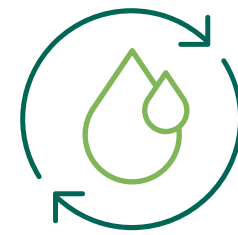
CEMEX CO₂e per Tonne of Cementitious Material (All Products)



Reducing the impact of our operations

In addition to reducing our carbon emissions, H+H UK is committed to reducing the impact of our operational processes with regards to water usage, waste generation and the utilisation of packaging materials.

H+H UK recognise that our procurement decisions will have impacts on the wider environment. As a result, we endeavour to maximise the use of recycled and recyclable packaging materials, thereby reducing demand on virgin plastics.



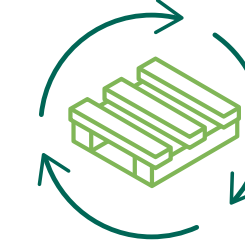
Water

- We currently **recycle 60% of our fresh water** and have goals to reduce water intensity, minimise mains water usage and further improve water recycling.
- Over **50% of our water is sourced from canals or boreholes**, which avoids the carbon emissions associated with using processed mains water.



Waste

- Since 2022, we have sent **zero waste to landfill**.
- When there is waste aircrete produced from the manufacture of Celcon Blocks, **100% is recycled**.



Packaging

- Our stretch wrap is produced from at least 30% recycled plastics and is **100% recyclable**.
- The banding used is made from **98% recycled plastic** and is also 100% recyclable.
- All wooden pallets are manufactured from **100% FSC certified timber**.

What's next for H+H?



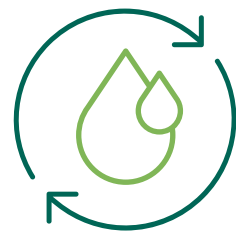
Explore alternative transport fuels throughout our distribution network.



Establish hydrogen compatibility at our plants: our new gas burners are compatible with hydrogen as a base fuel.



Explore the incorporation of more eco-friendly raw materials in our production process.



Continue to investigate the use of additives to reduce our water demand.



Continue with our biodiversity action plan to protect and enhance the natural environment and biodiversity at our plants.



Move forward with our participation in hydrogen consortiums, currently East Coast Hydrogen in the north of the country and Capital Hydrogen in the south.

Accreditation & Certification



Environmental Management System



Quality Management System



Energy Management System



Occupational Health & Safety Management System



GRADED EXCELLENT

Forward Looking Statements

This Sustainability Roadmap contains forward-looking statements. Statements are subject to risks and uncertainties as various factors, many of which are beyond the control of H+H, may cause planned developments and actual results to differ materially from the expectations expressed here.

H+H is not liable for any direct, indirect, or consequential damages whatsoever resulting from loss of use, data, or profits, whether through action of contract, negligence or other action arising from or in connection with the use of information in this document.

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