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THE LARGEST CANTILEVER BRIDGE IN THE WORLD

Built on a new stretch of Norway's coastal highway, the Trysfjord Bridge is the world's largest cantilever bridge, with a total length of 534m. Its deck is made entirely of beams constructed as “cantilever”, that is, structures that project horizontally, supported at only one end. This technical feat was made possible by the use of Leca® 800 low density aggregate, which has unique qualities of resistance and durability, perfectly suited to extreme constructions.

To finalize this major project – delivered in November 2022 and whose completion required four years of work – it was essential to find the most viable and efficient solution, both in terms of sustainable development and from an economic point of view. The Leca® 800 aggregate made it possible to meet this dual objective.

FACTS

Material: Leca® (4-10mm)

Interesting Fact: It was essential to find the most viable and efficient solution, both in terms of sustainable development and from an economic point of view.

Main Contractor: Kruse Smith

Like all the solutions developed by LECA, the one used for the Trysfjord Bridge illustrates the company's desire to fight against the adverse effects of global warming and to contribute to the preservation of the environment. This is also the stated ambition of its "Next Step" approach, which brings together all the actions carried out to move towards a more sustainable world and which should bring the brand to carbon neutrality by 2050.

To achieve this result, two steps are planned: the reduction of greenhouse gas emissions (Scope 1) by 50% in 2026 (compared to 2017), and an additional reduction of 75% in 2030 (compared to 2017 also). LECA will thus replace fossil fuels with green energies and bet on reuse, as part of a generalization of the circular economy, in close cooperation with its customers and partners.