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## **TITAN Cement Group: H2CEM project is included in the “Hy2Use” Important Project of Common European Interest**

**The innovative project will use green hydrogen as climate-neutral fuel to further lower the carbon footprint of cement production**

**TITAN Group’s H2CEM innovative project for the production and use of green hydrogen in the cement industry is included in the second Important Project of Common European Interest (IPCEI) “Hy2Use”. H2CEM, with a total budget of €60 million, is currently the only project in the second IPCEI that concerns the use of hydrogen as a climate-neutral fuel for cement production. The project will contribute to TITAN Group’s target to improve the carbon footprint of its operations, supporting the European goal for 55% greenhouse gas emissions reduction by 2030 and carbon neutrality by 2050.**

With the goal to enhance the substitution of fossil fuels with green hydrogen and other sustainably sourced fuels, H2CEM includes the production of green hydrogen through electrolysis, powered by renewable energy sources, at TITAN cement plants in Greece (Kamari in Viotia, Drepano in Achaia and Efkarpiia in Thessaloniki). Industrial deployment of green hydrogen in these plants will lead to reducing CO<sub>2</sub> emissions by 160,000 tons per year (at least 8% per ton of product).

In addition, H2CEM includes the construction and operation of a pilot-scale rotary kiln, designed to run with hydrogen as main fuel for the production of cement clinker. Considering the significant technical challenges of transitioning to green hydrogen as climate-neutral fuel for the cement industry, research and development activities in H2CEM will lead to a deeper understanding of hydrogen combustion phenomena, especially in terms of designing and operating cement production facilities in the future. In this respect, H2CEM is considered a milestone project on the European cement industry roadmap towards decarbonization.

H2CEM is the only Greek project that has been approved for state aid within the IPCEI Hy2Use, following a rigorous assessment by the European Commission, for activities related to research and innovation, first industrial deployment, and construction of relevant infrastructure in the hydrogen value chain. An important aspect of the project is creating a network between research and academic entities in Greece and Europe, as well as green hydrogen technology and Renewable Energy Sources providers. The implementation of the project will also result in the creation of new, highly skilled job opportunities, in addition to dissemination to the Greek and European cement industry, social and other stakeholders.

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### **About TITAN Cement Group**

*TITAN Cement Group is a multiregional cement and building materials producer. Business activities cover the production, transportation and distribution of cement, concrete, aggregates, fly ash, mortars and other building materials. The Group employs about 5,400 people and is present in more than 15 countries, operating cement plants in 10 of them, the USA, Greece, Albania, Bulgaria, North Macedonia, Kosovo, Serbia, Egypt, Turkey and Brazil. Throughout its history the Group has aspired to serve the needs of society, while contributing to sustainable growth with responsibility and integrity. For more information, visit the Group’s website at [www.titan-cement.com](http://www.titan-cement.com).*

