

Press release

EnergyNest is supplying one of oil & gas major Eni's industrial decarbonization projects with a full Thermal Battery solution

The project, located in Eni's Gela (Sicily) production site, has the objective of integrating renewables in the industrial process, in particular for the production of steam. A full Thermal Battery will be connected to a Concentrating Solar Power (CSP) system based on Eni's proprietary technology and combined with a micro-turbine for electricity production. The system, in hybrid configuration with the plant, will generate continuous renewable steam during the day and over several hours at night which will partly displace steam generated with standard fossil fuel systems, and electricity, contributing to lower the plant's carbon footprint. The system will be fully operational by the second half of 2020 and will allow savings of 60 Ton/year of CO₂.

Eni's decarbonization efforts are addressing the dual challenge of satisfying increasing energy needs, while reducing emissions in line with the Paris Agreement goals. Reducing fossil fuel consumption across its oil treatment and refinery assets is an elementary contributor to Eni's objective of reaching net zero emissions in its upstream business until 2030. Breakthrough technologies like EnergyNest's Thermal Battery will substantially reduce carbon emissions and improve energy efficiency. The team of EnergyNest is proud to accompany Eni in its mission to be a global decarbonization leader.

About EnergyNest

EnergyNest is an award-winning Norwegian technology company that has developed a novel Thermal Battery solution that enables customers across the entire energy system maximize the value of their energy. We help cut CO₂ and greenhouse gas emissions by electrifying industry, reduce use of fossil fuels and enable increased share of renewable energy through flexibilization of power plants, optimizing energy efficiency in manufacturing processes and dispatching solar energy 24/7.