



## **MODEC and Eld Energy to Install Offshore Fuel Cell Pilot**

**Tokyo, July 16, 2025** – MODEC, Inc. (“MODEC”) has entered into a contract with Eld Energy AS (“Eld Energy”), a Norwegian fuel cell system company, to design and manufacture a solid oxide fuel cell (“SOFC”) system pilot unit intended for installation on one of the FPSOs operated by MODEC.

In February 2025, MODEC awarded a feasibility study contract to Eld Energy, marking the beginning of Phase 1 activities of SOFC development as one of the critical [decarbonization initiatives](#). Following the successful completion of Phase 1, MODEC decided to proceed with Phase 2 activities with Eld Energy, which include engineering, manufacturing, installation, and offshore pilot testing of a 40 kW SOFC system.

The unit, to be manufactured by Eld Energy at its facility in Bergen, Norway, is scheduled for installation in 2026. This deployment marks a significant step toward demonstrating the viability of solid oxide fuel cells in offshore environments – offering a cleaner, more efficient alternative to traditional power sources.

This phase follows the successful feasibility study, during which the two companies collaborated on system design and integration studies. As part of the study, a successful laboratory test was conducted using simulated produced gas, including heavier hydrocarbons – a critical milestone that enabled the progression to Phase 2.

“We are thrilled to take this step-ahead with Eld Energy in the innovation of SOFC as an alternative power generation system,” said Koichi Matsumiya, Chief Technical Officer of MODEC. “Although we foresee technical hurdles to overcome in this R&D journey, we are committed to pioneering into it with a strong will to provide solutions that deliver stable energy with low GHG emissions.”

“We’re excited to deepen our partnership with MODEC and move one step closer to showcasing solid oxide technology at sea,” said Hans Fredrik Lindøen-Kjellnes, CEO of Eld Energy. “Phase 2 is not just a technical milestone – it’s a statement of confidence in the role SOFCs can play in the decarbonization of offshore operations.”

Eld Energy’s solution offers high-efficiency power generation with low emissions, aligning with the maritime and energy sectors’ drive toward more sustainable operations. By integrating advanced SOFC systems into offshore infrastructure, the companies aim to reduce environmental impact while maintaining operational reliability. The Phase 2 pilot test represents the first real-world implementation of SOFC technology on an FPSO.

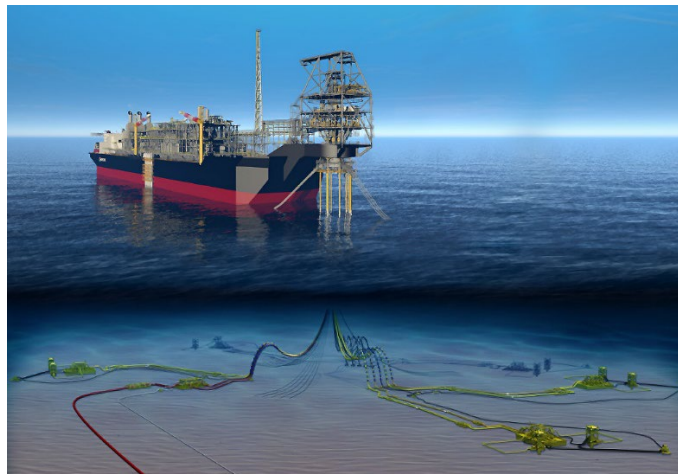


Image of FPSO

**About Eld Energy**

Eld Energy is a Norwegian firm that specializes in design and delivery of fuel cell systems for offshore applications. The company has assembled a team of Europe's foremost experts in the design and industrialization of maritime fuel cells with the aim to decarbonize offshore installations and deep-sea shipping. For further information: <https://www.eldenergy.com>

**About MODEC**

MODEC is a leading provider of floating production solutions such as Floating Production Storage and Offloading (FPSO) vessels to the offshore oil & gas industry. MODEC performs Engineering, Procurement, Construction, and Installation (EPCI) activities for FPSOs, and further by owning and operating its own FPSOs, it provides oil companies around the world with comprehensive and competitive solutions for oil & gas production services.

For further information: <https://www.modec.com>

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