Press Release

REMOTE Propane Fuel Cell Generators Provide Reliable Off-Grid Power

for Lighthouse Beacon and Communication

NEW ENERDAY GmbH provides an autonomous energy solution for a local marine organization in South-East Alaska



Neubrandenburg, Germany – October 29, 2026

A REMOTE propane fuel cell generator supplied by NEW ENERDAY GmbH is now reliably powering a remote Lighthouse at Cape Decision, Alaska. The generator has been operational since Q4 2026, providing off-grid electricity generation under demanding environmental conditions.

The existing photovoltaic generator, which provides fluctuating and insufficient power to the applications during winter season, was supplemented by the new REMOTE propane fuel cell generator. By switching to propane fuel cell technology, the operator achieves a more reliable power supply even under low irradiance and harsh weather conditions.

At the core of the solution is NEW ENERDAY's highly efficient SOFC (Solid Oxide Fuel Cell) technology, specifically designed for reliable operation in harsh and remote environments. Combined with photovoltaics NEW ENERDAY's generators provide uninterrupted power supply with an autonomy period exceeding one year, minimizing the need for on-site service interventions and fuel logistics.

The REMOTE propane fuel cell solution enables the operator to maintain critical infrastructure in isolated locations while improving sustainability and operational efficiency. Its robust design ensures consistent performance even in challenging climatic conditions, making it particularly suitable for remote communication and industrial applications.

“With our REMOTE systems, we ensure reliable and sustainable off-grid power supply for mission-critical traffic and communications infrastructure,” said Markus Muench, Senior Product Manager at NEW ENERDAY.

The successful implementation at Cape Decision highlights the growing role of propane fuel cell technology in enabling resilient and sustainable telecommunications networks worldwide.

About NEW ENERDAY GmbH

NEW ENERDAY GmbH develops and manufactures innovative fuel cell-based generators and systems for reliable off-grid power generation in telecommunications, industrial, and remote infrastructure applications. The company specializes in highly efficient SOFC technology solutions designed for long autonomy, low maintenance, and sustainable operation in demanding environments with the capability to convert Propane, natural gas, Ammonia, Hydrogen or Methanol.

This project is supported by the German Federal Ministry for Economic Affairs and Energy as part of the Renewable Energy Solutions Program of the German Energy Solutions Initiative.



German Energy Agency (dena)

The German Energy Agency (dena) is a centre of excellence for the applied energy transition and climate protection. dena studies the challenges of building a climate-neutral society and supports the German government in achieving its energy and climate policy objectives. Since its foundation in 2000, dena has worked to develop and implement solutions and bring together national and international partners from politics, industry, the scientific community and all parts of society. dena is a project

enterprise and a public company owned by the German federal government. dena's shareholder is the Federal Republic of Germany. www.dena.de/en/

German Energy Solutions Initiative

With the aim of positioning German technologies and know-how worldwide, the German Energy Solutions Initiative of the Federal Ministry for Economic Affairs and Energy (BMWE) supports suppliers of climate-friendly energy solutions in opening up foreign markets. The focus lies on renewable energies, energy efficiency, smart grids and storage, as well as technologies such as power-to-gas and fuel cells. Aimed in particular at small and medium-sized enterprises, the German Energy Solutions Initiative supports participants through measures to prepare market entry as well as to prospect, develop and secure new markets. www.german-energy-solutions.de/GES/Navigation/EN/Home/home.html

Renewable Energy Solutions Programme (RES Programme)

With the RES programme, the German Energy Solutions Initiative of the Federal Ministry for Economic Affairs and Energy (BMWE) helps German companies in the renewable energy and energy efficiency sectors enter new markets. Within the framework of the programme, reference plants are installed and marketed with the support of the German Energy Agency (dena). Information and training activities help ensure a sustainable market entry and demonstrate the quality of climate-friendly technologies made in Germany. www.german-energy-solutions.de/GES/Redaktion/EN/Basepages/Services/dena-res.html