
Press Release

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MAN Energy Solutions Completes Power Plant Expansion in the Faroe Islands

Four MAN units ensure power supply as part of hybrid-energy system

MAN Energy Solutions has completed the expansion of the 'Sund' power plant near Tórshavn, the Faroese capital, and successfully handed the plant over to local energy supplier, Eifelagið SEV. With this, four MAN 9L51/60 engines have been successfully integrated into the islands' hybrid energy-system and will complement the existing power station with an additional 37 MW power generation, as well as district heating capacity.

To supply electricity to the almost 52,000 islanders, SEV relies on an intelligent combination of renewable energy sources, storage solutions and power-plant engines to ensure grid stability. Danish power-plant specialist, Burmeister & Wain Scandinavian Contractor A/S (BWSC), was primarily responsible for construction of the Sund power plant, which is the largest of the Faroe's three engine-driven power plants. Besides these, SEV also operates other, hydroelectric power plants as well as several wind farms and energy-storage solutions. In this way, all available resources of the islands can be optimally used for power supply.

From base-load security to intelligent backup

"The role of the Sund power plant has changed over the past few years. Today, it still serves to secure the base load, but it has also become an indispensable backup that compensates for weather-related fluctuations of renewable energies," said Dr Tilman Tütken, Head of Region Europe, Business Unit Power Plants at MAN Energy Solutions. The MAN 51/60 engines are intended to run at 80% load and thus to generate district heating with the remaining 20% serving as a variable reserve.

"Our engines can increase their output at any time to compensate for power fluctuations and are throttled back when wind or precipitation conditions improve," added Tütken. "Thanks to this setup, SEV can on the one hand exploit the full potential of renewable energy and, on the other, guarantee maximum grid stability."

Hybrid systems as a vision of the future

"The isolated energy system in the Faroe Islands is an impressive example of how all available energy resources can be integrated into an intelligent and innovative microgrid," said Tütken. "In our view, the future is hybrid and the Faroe Islands' energy system can definitely act as a model for other projects."



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MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.