



Abb energy storage containers

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The Containerized ESS brings new simplicity to energy storage retrofitting, with all batteries, converters, transformer, controls, cooling and auxiliary equipment pre-assembled in the self-contained unit for "plug and play" use.

"Fuel savings, lower emissions and increased safety during operation and maintenance are the demand drivers for energy storage systems in the newbuild ship market, where ABB has extensive experience. With Containerized ESS, we are delighted to be able to offer these benefits to owners of existing ships with a one-stop retrofit solution," said Jyri Jusslin, Head of Service, ABB Marine & Ports.

The Containerized ESS solution is suitable for integration on board a wide variety of ships. Offshore support vessels, for instance, would particularly benefit from a self-contained solution, as the electrical room space on board is especially limited. Flexible and cost-effective energy storage system technology would also be relevant to container ships, ferries, drill ships and other vessel types.

"The Containerized ESS expands integration options across multiple types of ships and delivers a solution that can be fully serviced from outside the unit for enhanced safety. Knowing that there is a simple way to integrate an energy storage system could be the extra encouragement needed for owners to consider incorporating batteries for vessel efficiency and, especially, for sustainable power," said Jyri Jusslin.

The Containerized ESS offers one of the highest energy densities in the market within a 20ft container, offering a standardized installation, which adds up to lower costs and faster delivery.

The Containerized ESS is a technically mature solution that answers to shipowners' demand to retrofit vessel power distribution systems and add a battery of significant capacity. The pre-assembled and factory-tested equipment and cabling make the Containerized ESS solution easy to integrate with all vessel sub-systems. It is also supported by the ABB AbilityTM Marine Remote Diagnostics System, which offers continuous monitoring for preventive maintenance and fast and easy system repair.

08 September 2021 – ABB has responded to rapidly rising demand for low and zero emissions from ships by developing Containerized ESS - a complete, plug-in solution to install sustainable marine energy storage at scale, housed in a 20ft high-cube ISO container and ready to integrate with the vessel's main power distribution system.

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ABB (ABBN: SIX Swiss Ex) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB's success is driven by about 105,000 talented employees in over 100 countries.

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