



Integrel E-Power on Volvo Engine

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## **New Marine E- Power Concept offers a Greener, Cost-Cutting, Efficient Solution for Fischer Panda UK Customers**

Longstanding marine power solutions expert, Fischer Panda UK has recently enhanced its portfolio with the latest power technology innovation from Integrel Solutions. Integrel Solutions' system, an advanced e-power system for the marine sector, revolutionises the way vessels are powered, offering an efficient and environmentally friendly alternative to traditional power sources.

This solution is ideal for a wide range of marine applications, including leisure boats and workboats, where reliability, efficiency, and sustainability are top priorities for manufacturers, boatbuilders and end-users. Integrel already works with a number of leading boatbuilders to enhance the green and efficiency credentials of their vessels with its trusted and award-winning system.

Integrel Solutions is a pioneering leader in marine e-power systems, dedicated to developing smart energy solutions that enhance efficiency, reduce emissions, and improve the power experience onboard.

Integrel's E-Power system harnesses the spare energy created during the normal operation of a vessel's engine, producing up to 18kW of energy that is intelligently stored in a 48V lithium battery bank for later use. The stored power is then used to generate electrical energy where required, not only powering heavy power-draw systems such as 48V bow thrusters and winches, but also 12V domestic items like fridges, instruments and other onboard equipment and systems, while allowing the engine to run at the best possible performance levels.

The E-Power system improves the fuel efficiency of a propulsion engine by up to 25% and reduces fuel consumption while providing an alternative or additional power source to the traditional diesel generator option. The system manages electrical power generation, storage, conversion and distribution all in one package.

The E-Power unit works automatically in the background while the vessel is in operation, providing 'free energy' for the vessel's onboard systems that is silent when in use, and offers a reliable power source that requires very little user intervention as well as being low maintenance.

"By integrating Integrel's e-power solution into a vessel's main power system, our customers will benefit in a number of ways; from enhanced fuel savings and reduced maintenance costs to the ability to meet environmental regulations." said Chris Fower, Sales and Marketing Director at Fischer Panda UK. "Additionally, with Fischer Panda's expert support as the go-to marine power solutions specialist, customers can expect seamless integration with the vessel's systems as well as installation and technical support for our customer's maximum benefit."

Learn more about Integrel Solution's system which is available through Fischer Panda UK's range of fully customised and efficient power system solutions for a variety of applications at [Fischer Panda UK](#).

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**About Fischer Panda UK**

Fischer Panda UK Ltd offers full-system design capability, servicing and aftercare as a leading distributor of diesel generators and a major supplier of the latest technology in air-conditioning systems, hybrid electric propulsion systems, integrated mobile power solutions and water makers for a variety of commercial and leisure vessels.

Renowned worldwide as innovative, reliable and extremely quiet, the extensive Fischer Panda range of compact diesel generators includes its next generation highly efficient and powerful variable speed iSeries-Generators. Fischer Panda generators from the Panda 4000s Neo up to the next generation iSeries Panda 45i genset have passed type approval by members of the IACS (International Association of Classification Societies) board.

Other world-class products from Fischer Panda UK include desalination systems from Sea Recovery, HRO, and Village Marine, with models suitable for day-boats to warships and offshore platforms, plus air-conditioning systems from leading marine HVAC supplier Dometic, CZone digital switching and Mastervolt power solutions.

Fischer Panda UK is ISO UKAS 9000/1 accredited and operates from a purpose built 9,000 sq. ft facility in Verwood, Dorset. Its experienced engineers, sales and operational staff work with OEMs to develop integrated systems for custom vessels and offer specialist technical support and on-going aftercare to its customers.

Also active in the military and automotive sectors, the company works with UK MOD and other armies around the world providing solutions for specialist vehicle and land-based applications. Two thirds of Formula 1 mobile truck units install Fischer Panda generators, as do the BBC, Sky and many other mobile broadcasting vehicles.

Operating since 1977, Fischer Panda GmbH is headquartered in Paderborn, Germany. The Fischer Panda team covers more than 500 technicians and partners in over 90 countries worldwide.

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