

Super B's new Epsilon battery weighs just 15kg



## Total power protection

Super B // Booth: E9130

Thanks to their high cycle count and high current discharge, Super B's lithium iron phosphate battery systems have been used in a variety of applications, from racing boats and charters to ferries and cargo ships, for the past 10 years. And at the World Expo, visitors will be privy to the launch of the company's latest battery system, Epsilon, which has been developed to possess best-in-class energy management, ensure the lowest-possible energy losses, and enable super-fast charging. A free battery monitor app also ensures battery status can be observed wirelessly using Bluetooth.



Transfluid will debut a new electric propulsion and stern drive transmission system

## Stern drive transmission solution

Transfluid // Booth: E2000

Sustainability and silence are key drivers behind today's raft of electric and hybrid propulsion technologies, and Italian company Transfluid is aiming to ensure it is at the forefront of the eco-friendly marine movement with its new electric propulsion and stern drive transmission system. Offering a range ideal for boats up to 10m, installation of the system is simple and ecological, with quiet propulsion guaranteed.

Also on display at the World Expo will be the company's Hybrid System, which has been installed on 13 vessels with single engines and on five vessels with twin engines in a variety of European countries. Applications include diesel-electric yachts, ferries, tugs, fishing vessels and water taxis.



Five minutes with...



**Bernhard Grasel, application manager, electrification, Dewesoft**

**In your opinion, what is the biggest challenge currently facing the marine industry?**

The marine industry is changing. A lot of new players are entering the market and many existing players are having to reposition themselves. A big challenge for both will be staying on top of technological trends and complying with ever-changing emissions regulations.

**Is hybrid/electric propulsion the answer to a sustainable marine industry?**

A sustainable marine industry would hardly be achievable without electric and hybrid propulsion systems. Electrification significantly increases the efficiency of propulsion systems and increasing the market penetration of renewables will ensure further sustainable energy usage.

**Do legislators help or hinder you?**

The role of legislators is of the highest importance for a sustainable marine industry. The regulation of emissions strongly supports development and market penetration of electric and hybrid propulsion systems.

**In your opinion, how will marine propulsion technology have changed by 2030?**

In 2030 we will find a marine industry where a mixture of all kinds of propulsion systems are present. We will still see a huge amount of conventional propulsion systems. However, electric and hybrid propulsion systems will have a significant market share after years of steady growth.

**How can your company's technology help the marine industry meet its targets for efficiency and sustainability?**

Our company specializes in efficiency analysis of electric and hybrid vessels. We think that the capability of measuring efficiency and emissions in real-time operation provides the best basis for comparing overall efficiency with conventional propulsion systems.

**You can meet Bernhard Grasel and the rest of the Dewesoft team at booth E3070**