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News

Premier Composite Technologies to launch FARR 400

07 January 2011

Premier Composite Technologies (PCT) and Farr Yacht Design are collaborating to design and build a carbon composite, One Design, 40 ft racing yacht.

The [FARR 400](#) is an all carbon composite construction built using infusion technology to ensure the highest quality standards. The vessel will be built and designed to Category 2 offshore regulations.

"This is going to be a very exciting class with a lot of performance for the cost: fun to sail with a crew of 8, a lifting keel for harbour access, and easily transportable between regattas," reports Bruce Farr of top racing yacht design team [FARR Yacht Design](#), USA. "In Premier Composite Technologies, we have an experienced partner from whom we expect a high quality product."

The design, which has involved pro-sailor Dee Smith as project consultant, will be launched from the [Premier Composite Technologies](#) (PCT) headquarters in Dubai in Spring 2011. First orders will be delivered in late Spring/Summer 2011. The standard package price starts at \$395 000.

**Composite construction**

Built by the PCT team, which has experience with One Design yachts such as the FARR 40, FARR (Mumm) 30 and Laser SB3's, the FARR 400 uses the latest building practices to create a One Design racer that is technically consistent, ensuring equal performance across the whole class.

The FARR 400 is entirely built in carbon fibre/epoxy sandwich composite construction, making it one of the first carbon production sailboats in the world, along with the RC44.

All major geometry is created by precision 5 axis milling which is usually only available for Grand Prix and America's Cup projects. This ensures that the highly optimised geometry of the hull, keel and rudder are carried through the production process and into the final design with consistently accurate tooling.

Hull, deck and interior structure are fabricated using vacuum infusion technology to ensure high fibre volume ratios and reduce weight variation.

Weight is strictly controlled using a High Modulus Smartpac design. The Smartpac is a three dimensional designed fibre and core package that is tailor made for the FARR 400. This design ensures that every boat has exactly the same amount of materials to guarantee optimised construction and One Design uniformity.

Composite stanchions, pushpit, and pulpit minimise weight. An aerofoil section pushpit reduces windage and creates improved aesthetics.

The FARR 400 has been designed to be the first 40 ft One Design racer that can be custom shipped on a 40' flat rack container to reduce transportation costs.

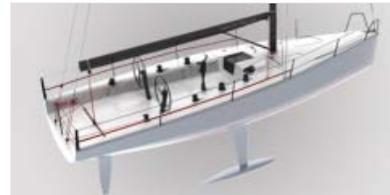
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The FARR 400.



The Farr 400 is designed to be easy to transport.

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