



RINA/IMarEST Technical Presentation

Technical Developments and Innovations on *Wild Oats XI*

Speaker: Steve Quigley
Managing Director
One2three Naval Architects

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Venue: Harricks Auditorium
Engineers Australia
8 Thomas St
Chatswood

Refreshments: 6:00 pm

Presentation: 6:30 pm

Wild Oats XI is a state-of-the-art maxi yacht designed by Reichel/Pugh and built by McConaghy Boats, launched in December 2005 and won her first Sydney-Hobart the same month. She is distinctively narrow with a 5.1 m (17 ft) beam and originally featured canting-ballast twin-foil appendages. One2three joined the Wild Oats development team in 2009. Since then she has undergone many modifications over time to maintain her competitiveness.

In 2009 she was lengthened at bow and stern from 29.8 to 30.5 m (98 to 100 ft) to meet the new limit in the Sydney–Hobart Yacht race. In 2011 her forward balanced spade canard was removed and twin daggerboards were added amidships. In 2012 she received a bow centreboard as well as caudal fin winglets on her torpedo bulb. In 2013 she was equipped with a Dynamic Stability System (DSS) foil, i.e. a retractable horizontal foil deployed on the leeward side of the boat. In 2015 her stern was shortened by 2 m and her 12 m forward sections were dramatically removed with a chainsaw and replaced by a 14 m longer, sleeker bow, keeping her midship sections unmodified and, in effect, moving her entire existing sail plan aft by 2 m.

This presentation will detail the innovations made on *Wild Oats XI*, the reasons for doing them and what they achieved in her performance at the time. She has won line honours in the Sydney–Hobart yacht race eight times from eleven starts, and is the only yacht to have taken the “triple crown” (line honours, handicap honours, and broken the race record) since *Rani* in the inaugural 1945 race; *Wild Oats XI* has done it twice.