

Groundbreaking eco-friendly Feadship seen for first time

Built for an exceptionally experienced yachtsman, the groundbreaking Project 817 has left the Feadship yard in Kaag for the first time. Having chartered virtually every Feadship available in the global fleet over recent years, the owner of Project 817 set the target of keeping the environmental impact of this 94-metre pure custom Feadship at around the same levels as his previous Feadship, despite that being 32 metres shorter in length.

One of the ways in which this highly ambitious goal was approached has been to install an exceptionally advanced hybrid propulsion system. This will allow Project 817 to travel a comfortable 12 knots on diesel-electric power in the pristine areas the yacht is set to explore. In this mode, all exhaust emissions are treated via the Tier III catalytic convertors and diesel particulate filters. A large battery bank ensures optimum generator loading and a smooth power grid. The top speed in diesel direct mode is 20 knots.

Other advanced green technologies deployed include the waste treatment plant and heat recovery systems. An immense amount of work went into optimising the efficiency of the air-conditioning so as to prevent excessive power consumption. This is especially crucial on a yacht with floor-to-ceiling glass windows, something which required taking a different approach to structural design in order to compensate for the complete absence of bulwarks.

These giant edifices in glass are a prominent feature in the remarkable exterior design by Feadship Studio De Voogt and Azure. They also obviously play a key role in the open beach-house-style interior by Peter Marino Architects. The owner's 'less is more' philosophy has influenced every aspect of the design inside and out, with an abundance of clean lines. For instance, all doors in the sides of the superstructure that would normally be hinged have been fitted as electric sliding doors. Closing flush to the superstructure with no handles, hinges or recesses, this super-smooth solution has been applied to all crew access, deck locker and guest access doors.

Painted in a special pearl-white livery, the hull has been designed, engineered and built to be as efficient as possible and reduce the engine power required to move Project 817 through the water. Space has nonetheless been found within the 14-metre beam for the largest tender and longest hull doors seen on a Feadship to date.

Many more details about this striking new member of the Feadship fleet along with her name will be announced after her sea trials have been completed.

Project 817: Twin screw motoryacht, steel hull and aluminium superstructure

<i>Length overall:</i>	94.00m	308'5"
<i>Beam overall:</i>	14.00m	45'11"
<i>Draught (loaded):</i>	3.90m	12'10"

<i>Naval Architect:</i>	Feadship De Voogt Naval Architects
<i>Exterior design:</i>	Studio De Voogt / Azure
<i>Interior design & decoration:</i>	Peter Marino Architect

<i>Fuel capacity:</i>	280,000 litres / 73,968 US Gallons
<i>Fresh water capacity:</i>	71,000 litres/ 18,756 US Gallons