

# SUPERYACHT DESIGN

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# PERFECT FORM

Newcomer Sigmund Yacht Design aims to push the envelope of design in every way. Since its inception in 2010, the studio has designed and displayed a number of advanced motoryacht concepts that have polarised opinion in the superyacht industry. In the case of the Vestar 60-metre sailing yacht, the brief was to design a modern classic that advances the limits of interior space, using the very latest materials and construction techniques. Studio director Peter Symonds explains the rationale behind the concept.

Innovation on both the inside and the outside distinguish the Vestar from our series of motoryachts. Underneath the elegant lines and balanced proportions is Vestar's most exciting innovation: carbon-reinforced plastic, constructed using a titanium graphite laminate. This advanced material mélange provides higher static strength, damage tolerance and corrosion resistance, resulting in a significantly higher strength/weight ratio over what can currently be achieved with more traditional materials. Employing these high-tech materials and construction methods translates into extra interior space, increased performance and lower maintenance costs. With recent breakthroughs in the aeronautical industry in making large sections from carbon composites with exotic metal weaves, it can only be five to 10 years before the materials and techniques are taken up in our own industry. Vestar is therefore a showcase for new materials

and building techniques that offer owners, guests and crew advantages in terms of quality, sea-keeping and economy. Furthermore, forthcoming legislation that will affect the amount of living space available onboard, will be offset by the use of exotic, stiff, lightweight materials, as well as the eradication of corrosion and/or fatigue associated with a conventional steel or aluminium hull.

Continuing Vestar's inside-out approach to innovation, the hull has been designed to create the perfect form on which to base a practical, open and ergonomic yacht interior. The widest part of the hull has been shifted as far aft as possible to provide the most through-beam space for the most important living areas: the owner's suite, viewing lounge and pilot house. The pilot house is well placed with good visibility and should be a joy to use for any captain. The viewing lounge and day head are less crowded due to their position that provides pragmatic day-to-day comfort, while the owner's suite benefits most from the extra space and will allow owners to pursue their lifestyles with ease and creativity.

Vestar will have an overall length of 60 metres, a maximum beam of 12 metres and a swing keel with a draught of 4.2 metres. Displacement is calculated at 650 tonnes with total sail area at 2,413 sqm. The concept will be displayed with industry partners at international exhibitions throughout 2011.