



# A work of Art

**Client:**  
Yachting Developments  
Limited

**Vessel:**  
Cygnus Montanus, Frers  
110ft/ 33.5m Sloop

**Weight:**  
185kg / 400lb

**Year:**  
2016

**Material:**  
316L Stainless steel

**Design**  
Submarine anchoring system

**Location:**  
New Zealand

## The Challenge:

*Breaking ground with new technology*

When German Frers of Frers Naval Architecture designed this lifting keel ocean going sloop they required a submarine anchoring system to keep the sailing owners safe on their lengthy voyages.

While this was not a complicated job, in fact a standard submarine anchoring system, award-winning boat builders, Yachting Developments Limited, were keen to embrace new technology to fit the system into the hull seamlessly.

## The Solution:

*3D scan technology creates seamless execution.*

Engineers visited the site of the build and completed a 3D scan of the hull using a 3D scanner. This provided designers with precise specifications for building jigs to both design and build the system.

Having such accurate measurements ensured the flange was a perfect fit for install. This made installation a breeze, saving time and money.

The client was delighted, citing the system as “a work of art”.