



CAD Model of trough system

Bespoke bow trough

Client:
YDL

Weight:
200 kg / 450lb

Year:
2016

Material:
Stainless Steel 316

Design:
Custom

Location:
Auckland, New Zealand

The Challenge:

Create an “operational piece of jewellery” for the bow of the vessel.

Having worked with award winning boat builder Yachting Developments in the past, Bowmaster was approached as soon as the owner of their latest project confirmed they didn't just want a regular bow configuration.

After working with the customer to get an in-depth understanding of what they required, it was confirmed the bow of the world's largest full-carbon sports-fisher needed to be a showpiece – a custom piece of “operational jewellery”.

The Solution:

A one-off custom anchor deployment system that acted as a showpiece on the bow of the vessel.

Having determined that dual 450lb stainless steel Manson Plough anchors were to be required, class approved windlasses and ground tackle were confirmed allowing Bowmaster to begin the design phase of the project.

With a project such as this one, design and innovation were at the forefront of each and every major decision. One important specification in the design of the deployment system was that it was a crew friendly and functional piece of equipment.

Once the designs of the system had been agreed upon by all parties, the next task was to take the visual direction and make it functional.



“We want the bow to be an operational piece of jewellery”

The trough style approach created a robust and easily serviceable deployment mechanism. This included a winch mount, compressor mount and anchor deployment neatly arranged into one show piece unit. Being a truly bespoke item, there were a few challenges along the way. However, through regular client communication and with the cohesive nature Bowmaster goes about its work – any problems were able to be discussed and solved efficiently and effectively.

The system was stressed and tested at Bowmaster’s purpose built facility to confirm its reliability in all conditions.

The result was a beautifully polished, 6m custom showpiece representing style, functionality and craftsmanship.

