

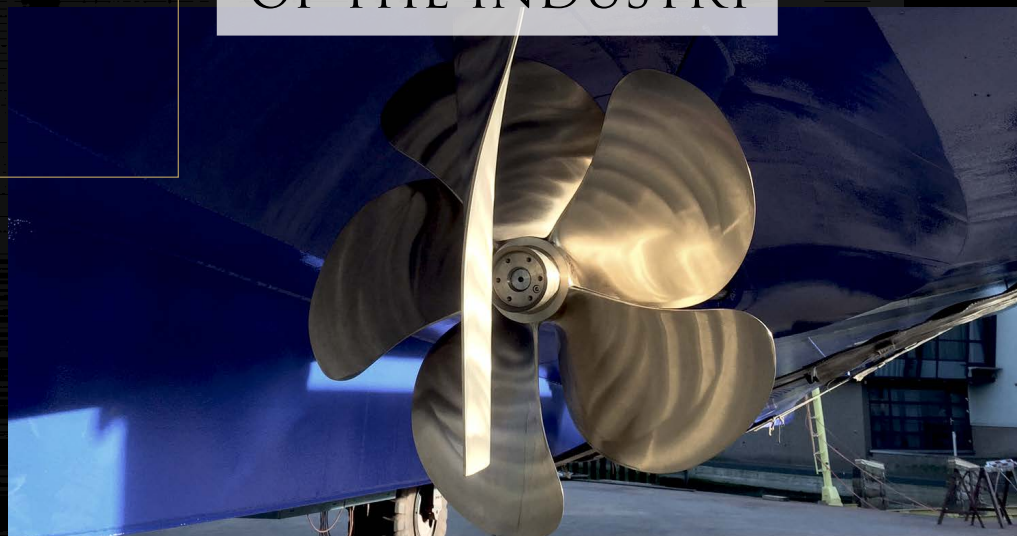
MARRYING QUALITY WITH AGILITY TO MEET THE NEEDS OF THE INDUSTRY

Historically, when it came to the design and production of propellers, you could have speed of delivery or high quality, not both. Rapid production meant opting for an off the shelf pattern that was considered a 'close match' to your vessel. The notable downside to this approach is that the propellers aren't designed for a specific boat, or its requirements, and therefore are not optimised for performance or efficiency. This could cost you in multiple ways, including top speed, fuel burn, ride comfort and longevity. Alternatively, if you required a bespoke, fully optimised, Class S propeller, you would likely be waiting eight weeks or more before it was shipped.

Thankfully, this is no longer the case. With our new rapid turnaround service, we'll have you back on the water in two weeks, or less.

Our total control of the design and manufacturing process, with every step managed by our in-house teams, means we're able to offer a unique service to deliver the highest quality, fully-machined Class S propellers in just 14 days.

The reduction in lead times – for propellers up to 1.5 metres in diameter – is achieved through an end-to-end process that combines our CFD and FEA capabilities, with dedicated cells for robotic pattern-less mould making, CNC machining and product handling automation. This is augmented with 3D mobile scanning and a global network of support partners, meaning six weeks or more can be saved, and a superior product supplied anywhere in the world.



RAPID TURNAROUND SERVICE OF CLASS S PROPELLERS

- Fully optimised product delivered in just two weeks, anywhere in the world
- Delivers Class S props as standard through our on-site 'Class Approved' foundry
- Enhances top speed performance by up to two knots or provides a 10% saving in fuel burn
- Provides improved ride comfort through a reduction in vibration of up to 75% at blade pass frequency and 50% at shaft rotational frequency
- Ability to 3D scan any prop in the world and reverse engineer to match existing or design bespoke propeller to suit the application
- Leverages the latest advances in CFD and FEA design software
- No requirement to produce patterns with our highly-accurate robotic pattern-less mould making technology
- Multiple CNC machining centres, operating 24/7, ensures adherence to the smallest tolerances, in line with the original CFD design
- High-efficiency product handling automation reduces production timescales and maximises efficiency

YOU DON'T NEED TO TAKE OUR WORD FOR IT



SEAWING EUROPE LTD

Vessel	2015 San Lorenzo 106 Superyacht
Issue	Customer complained of vibration and performance issues
Products supplied	A set of 5B 46.5x52.25 MRK Rev 1.05 props was designed and installed
Turnaround	14 days
Result	Vibration went away and performance issues were resolved

“These guys are mustard. The one-stop-shop for all your propeller and stern gear needs. Turnaround from point of order is impressive, with a typical two-week lead time for propellers and shafts. Quality is impeccable with Class S propellers and highest tolerances on shafting, available in a wide range of custom materials. Coupling and propeller fits are perfect through use of latest generation machining equipment. Technical support from in house Chartered Engineers is on hand, with personal attention to detail on every product. Price and value for money is unbeatable in Europe. And you can even get your existing propellers scanned and held on its database for instant no hassle mid-season replacements, if required.”

Peter G. Stembbridge, C.Eng. Eur.Ing. B.Sc. Hons. MRINA SNAME,
Managing Director, Seawing Europe Ltd

TYOVENE OY

Vessel	Newbuild Buoy Handling Vessel
Issue	Customer was let down by the previous supplier and turned to CJR
Products supplied	A fully optimised, set of 5B 36x24.5 Nautica CM 0.9 Class S propellers
Turnaround	12 days
Result	Performed exactly as expected and approved by Polish Registry of Shipping and Lloyds UK

“Due to unexpected circumstances with our usual propeller provider, we had to urgently find a new supplier. The vessel was completed, sitting on the dock, waiting to be launched so we could commission her and deliver to the client. So we had very little time. We contacted CJR and from there on we got quickly back on track. Using its rapid service, CJR was able to design, fabricate and certify the propellers in a matter of only two weeks. Thanks to CJR, we were able to keep the schedule and deliver the vessel to the owner on time.”

Juha Granqvist, Sales Manager,
Uudenkaupungin Työvene Oy

LOCATION

CJR Propulsion Ltd
70–72 Quayside Road
Bitterne Manor
Southampton, SO18 1AD
United Kingdom

CONTACT DETAILS

Tel: +44 (0)23 8022 2032
Fax: +44 (0)23 8021 1832
info@cjrprop.com

