

## EXPERTS IN PROPELLER DESIGN & MANUFACTURE



Crucero



Nautilus



Delfín



Kaplan



K-Speed



Titan

### Models

- 3 - 7 blades
- 0'7 - 4'0 m
- Up to 12 tons

### Materials

- Cu3
- Cu1
- CF3 Stainless Steel

### Class Certification

- ABS
- DNV
- LR
- BV
- RINA



## COMPLETE SHAFTLINE SOLUTIONS

RICE delivers comprehensive propulsion packages, including shafts, couplings, sterntubes, seals, shaft brackets, and nozzles.

Additionally, we support your project with a complete engineering package for the driveline, featuring:

- ♦ Rational shaft alignment
- ♦ Torsional vibration calculation
- ♦ Whirling and axial vibration analysis
- ♦ FEM calculations and ICE impact assessments

## CFD DESIGN EXPERTISE

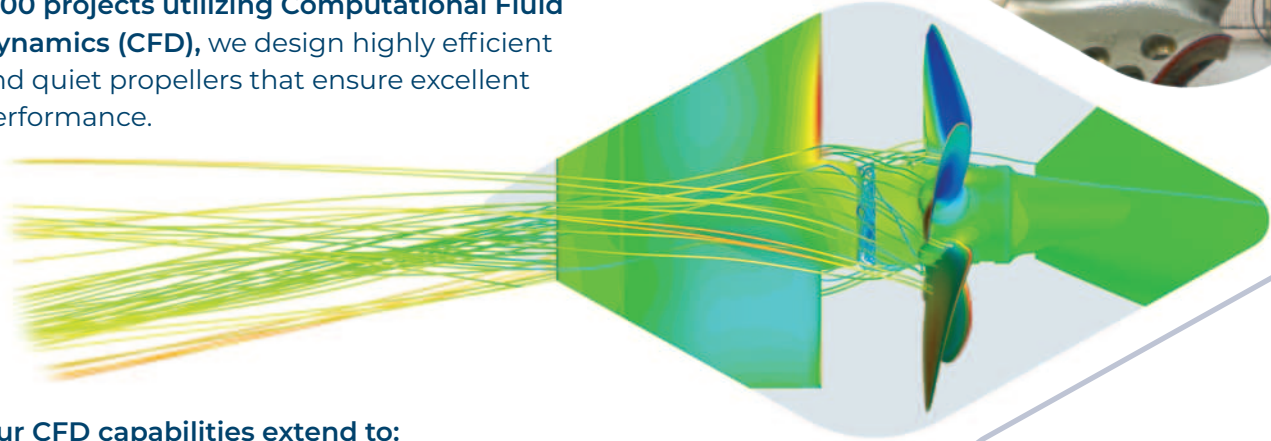
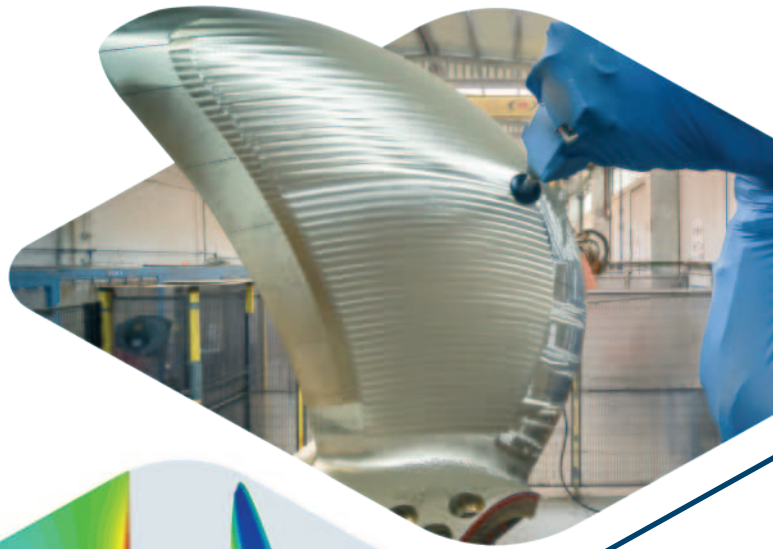
With 17 years of experience and more than 1600 projects utilizing Computational Fluid Dynamics (CFD), we design highly efficient and quiet propellers that ensure excellent performance.

Our CFD capabilities extend to:

- ♦ Ship resistance analysis
- ♦ Nozzle, shaft bracket, & rudder design
- ♦ Bollard pull calculations
- ♦ Cavitation analysis
- ♦ Silent propeller design

## AUTOMATED PRODUCTION

Our production process is highly automated, utilizing state-of-the-art CNC machines and robots. This automation ensures precision, consistency, and efficiency in manufacturing, resulting in superior quality products and reduced lead times.



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