

Controllable pitch propeller optimization

Upgrade your CP propeller with the latest technology and hydrodynamic know-how. This provides a great fuel-saving, allowing your vessel to meet stricter emission levels, CII requirements and potentially improving your energy class.

Based on your current operating profile and possible CII Rating, Everllence will support you, uncovering the potential of optimizing your current propeller configuration.

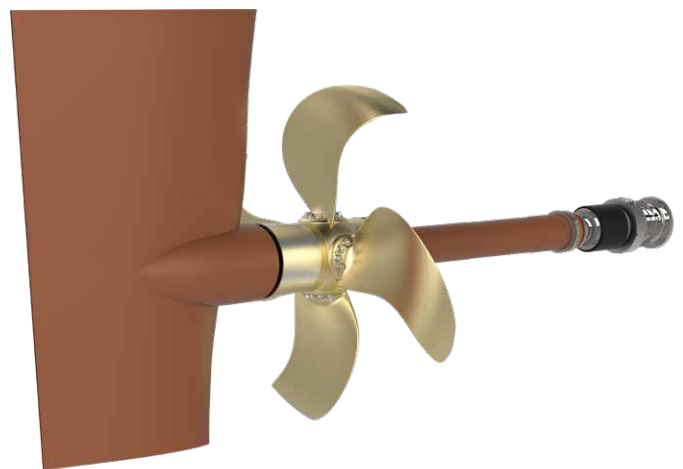
Leveraging state-of-the-art CFD (Computational Fluid Dynamics) analysis, design, and optimization tools, Everllence can provide an controllable pitch propeller optimization solution for your existing fleet.

Achieving perfect hydrodynamic propeller integration involves optimizing the propeller with the ship's hull and incorporating any flow-guiding and efficiency-enhancing devices, such as high-efficiency rudders and rudder bulbs.

Our solution is tailor-made for your specific vessel, featuring an optimized propeller blade design combined with other Everllence efficiency improving devices such as EcoBulb rudder bulb, fairing cone solutions and new combinator mode software.

Get more information

Learn more about our products and how our upgrade solutions can improve your propulsion performance. Do not hesitate to contact your local Everllence PrimeServ office for more information on possible upgrades.



Everllence

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Controllable pitch propeller optimization

System solution upgrade

Key benefits

- Increased propulsion efficiency
- Reduced power requirement, fuel consumption and emissions
- Scrap value of existing propeller blades can be included in the business case
- Short installation time for propeller blades and EcoBulb – normally less than one week
- Installation during normal overhaul can be carried out in connection and propeller maintenance / PMC
- Optimization supporting your Carbon Intensity Indicator (CII) targets
- Quick return on investment

Scope of supply

For propeller hub:

- Optimized controllable pitch propeller blades
- Slide and sealing rings
- Corrosion anode, if required

For propulsion control system:

- Review and optimization of existing combinator mode software

For rudder system:

- Steel EcoBulb, including all parts, for installation to existing rudder profile
- Stainless steel fairing cone for attachment to propeller hub

Classification:

- Including class approval of propeller blades and EcoBulb

Applicable to

Available for Alpha controllable pitch propeller configurations.

Reference list

More than 100 vessels have optimized their Alpha controllable pitch propeller configurations with new and improved aft ship solutions

More information

Contact your local Everllence PrimeServ office for more information about the product and how the upgrade can improve your propulsion configuration.

Everllence PrimeServ

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