



CAT[®] PROPULSION SYSTEMS

The Total Package



Now You Can Have it All.

Introducing the all-in-one solution for any marine vessel. We've added industry standard propellers, thrusters, and control systems to our full line of Cat® medium- and high-speed engines. Cat propulsion systems give you an optimized engine, generator, and propulsion package with every part covered and supported globally by Caterpillar.

Benefits include:

- Maximum efficiency
- Increased operating hours
- Reduced operating costs

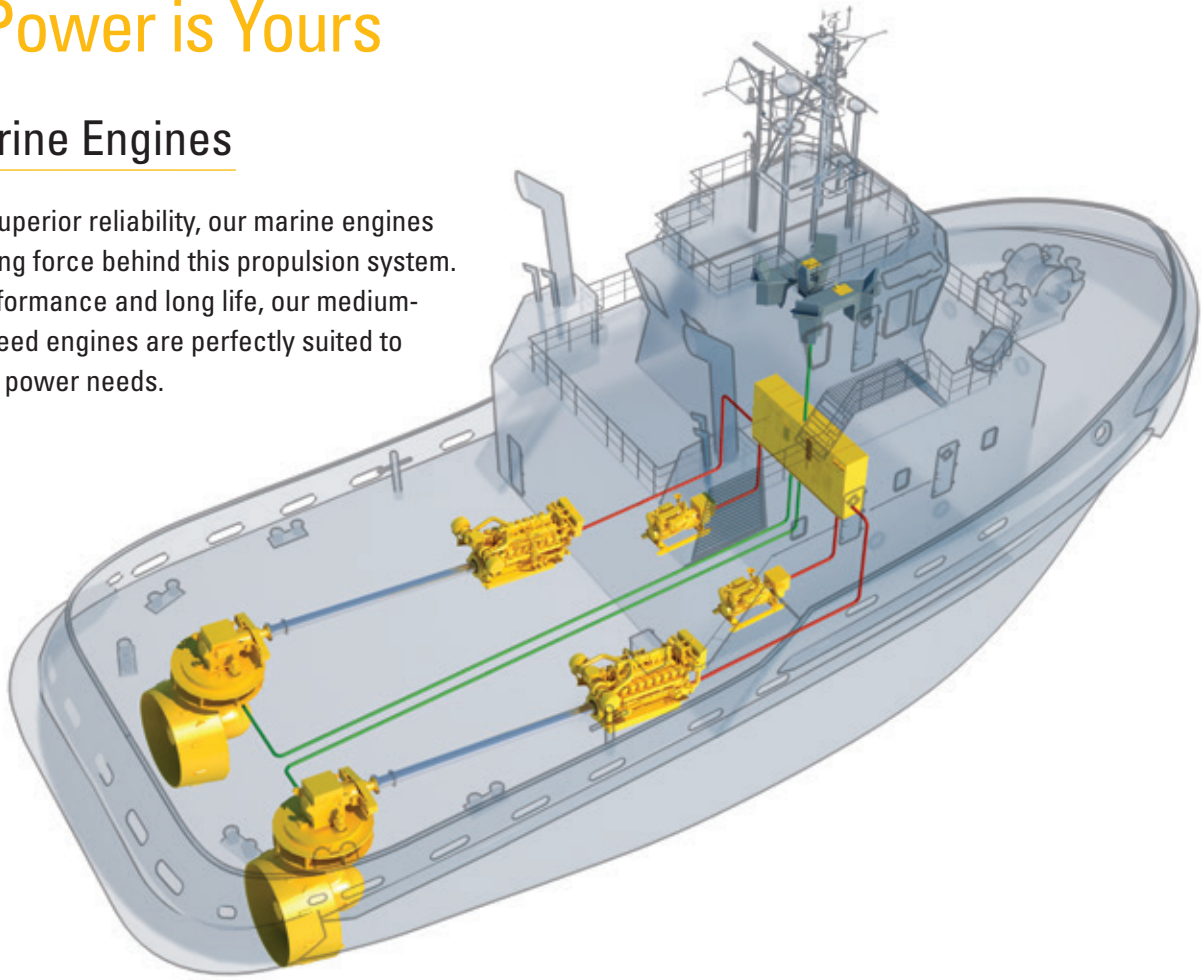
BUILT FOR IT.



The Power is Yours

Cat Marine Engines

Known for superior reliability, our marine engines are the driving force behind this propulsion system. Built for performance and long life, our medium- and high-speed engines are perfectly suited to any vessel's power needs.



Control Panel

Fully integrated with your propeller, thruster, and supplementary systems, Cat control panels give you precise positioning and power on demand. Daylight graphic displays self-monitor and self-diagnose. The serial field bus reduces wiring, and is duplicated to safeguard against power failure.



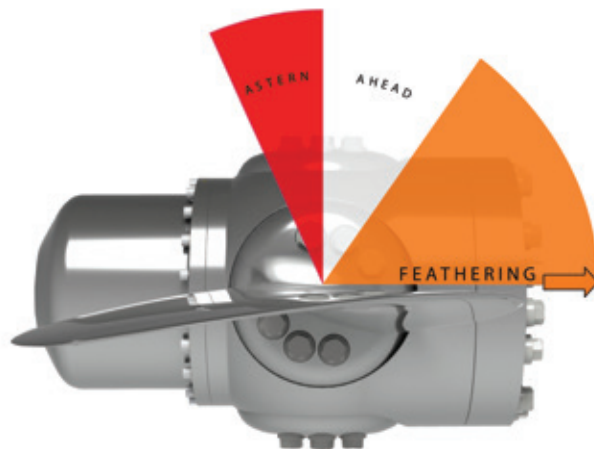
A number of additional service modes can be configured on this system.

Moving Ahead

For your heavy-duty applications, Cat controllably-pitch propellers offer reliable design in blade, cylinder, and hub.

Blades

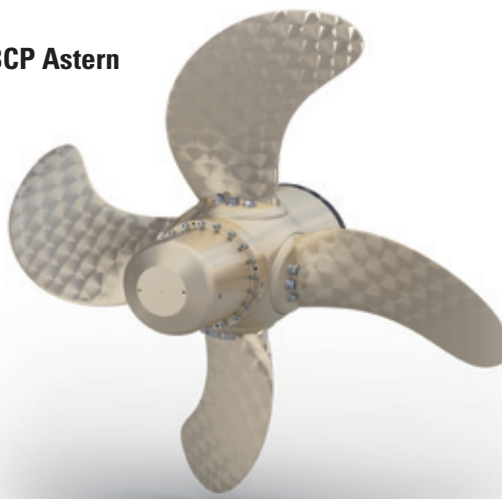
Cat propeller blades ensure a long life with a proven seal system and large bearing surfaces. For maximum flexibility with your twin propeller system, the blades feature a feathered mode: one of the propellers can be stopped and put in a feathered position, reducing drag and increasing efficiency.



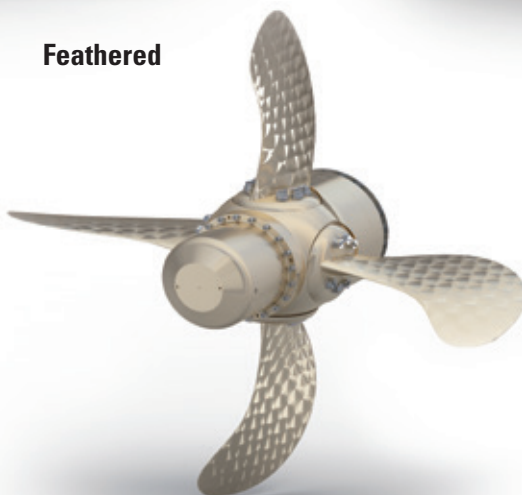
BCP Ahead



BCP Astern



Feathered



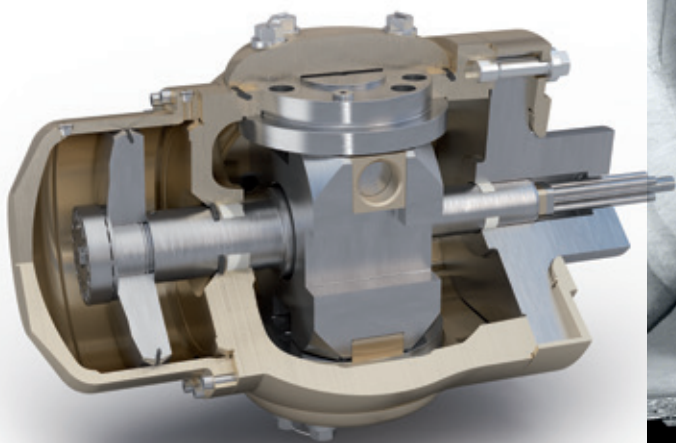
Feathered mode results in less fuel and less equipment wear.

Cylinder

Our propeller has an integrated hydraulic servo cylinder, especially designed for low-pressure situations.

Hub

Our revolutionary hub lubrication system lets you know exactly what's happening with your propellers. It constantly monitors its own moisture, protecting your system and the sea by detecting leaks and external damage.



The first hub in the world to check moisture content.



Steering You in the Right Direction

Two high performance thruster solutions, both with custom-designed propeller blades and heavy-duty gears and bearings suit more precise steering situations.

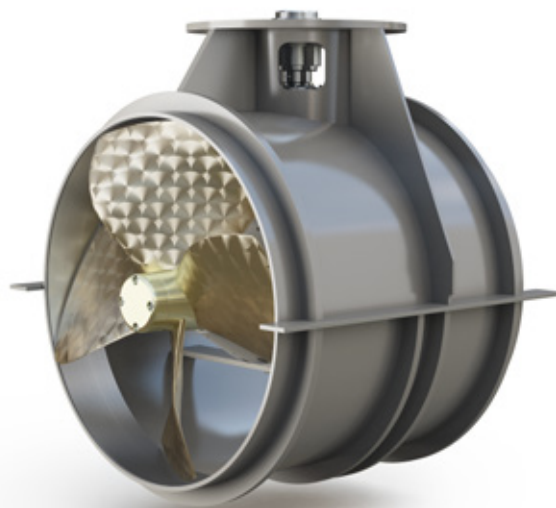


Transverse Thrusters

Depending on shaft speed, Cat transverse thrusters are available in both controllable- and fixed-pitch models. The thruster housing can be completely mounted and dismounted in the tunnel with a swing-in/swing-out design.



Controllable Pitch



Fixed Pitch

Azimuth Thrusters

Steerable and available for your L- or Z-drive configuration, the azimuth thruster model features the optional feathered blade to maximize productivity. With excellent flexibility and in-service performance, this thruster also has a long life cycle due to its moisture-monitoring hub and quadruple seal technology.



Z-drive



Feathered Blade Option



L-drive



Global Support

You get legendary support when you invest in legendary equipment. Our total solution approach gives you worldwide peace of mind. With technology advancements, parts availability, non-stop service, and financial solutions to cover your complete system, Caterpillar is your partner in a constantly changing industry.

BUILT FOR IT.™

For more information about Cat propulsion systems, visit MARINE.CAT.COM today.

CAT, CATERPILLAR, BUILT FOR IT, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

LEDM0031-00

©2013 Caterpillar

All rights reserved.

Printed in U.S.A.

