

## INSTALL THE MOST EFFICIENT PROPELLERS INSTALL SISTEMAR CLT® PROPELLERS



Ships need propellers, so why not installing **SISTEMAR CLT® Propellers**, the most efficient propellers available today?

**SISTEMAR CLT Propellers** are the most efficient propeller type present on the market, they are more efficient than any other conventional propeller or unconventional propeller.

The application range **SISTEMAR CLT Propellers**, both of fix and controllable pitch type, has been extremely wide:

**SISTEMAR CLT Propellers are installed on more than 280 vessel**

Tankers, Bulkers, General cargoes, Container ships, Ro-Ro, Ro-Pax, Fishing vessels, Hydrofoils, Patrol boats, Landing crafts, Oceanographic ships, Yachts...

Installations up to 300,000 dwt, up to 22 MW per propeller, up to 36 knots.

The advantages of **SISTEMAR CLT Propellers**, resulting from more than 30 years of model tests, full scale installations, comparative full scale trials and long term observation, are the following:

5 to 8% higher efficiency over conventional propellers (i.e. 5 to 8% fuel saving)

2 to 5% higher efficiency over other unconventional propellers (NPT, Kappel...)

Reduced emissions

Lower noise and vibrations

Improved ship manoeuvrability.

Indicative fuel savings at eco-speed by installing **SISTEMAR CLT Propellers** are as follows:

**380,000 USD/year** for 180K dwt bulker

**180,000 USD/year** for 57K bulker

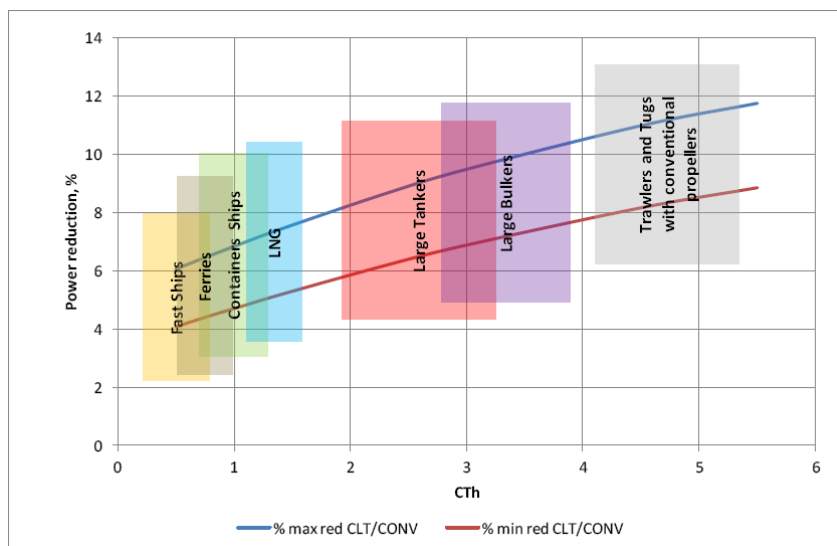
**290,000 USD/year** for 105K dwt tanker

**410,000 USD/year** for 8500 TEU Boxship

The fuel savings actually achieved depend on the type of vessel, being higher for slow speed with high block vessels.

**SISTEMAR CLT Propellers** can be applied both to new-buildings and ships in service, either in FP or CP type.

**No modifications are needed**, it is only needed to substitute the FP propellers or the CP blades.



In addition **SISTEMAR CLT Propellers** are compatible with all Energy Savings Devices (ducts, fins, bulbs...).

For all the above **SISTEMAR CLT Propellers are the dominant propeller choice** for new buildings and very attractive for ships in service thanks to their short ROI.

**SISTEMAR** has partnered with **EFFICIENTSHIP FINANCE** to bridge the lack of financing available to ship owners to reduce their fuel cost and consumption. Payments are structured such that they are never greater than actual savings achieved.

**So why not installing SISTEMAR CLT Propellers on your next new building or at the next drydock?**



For additional information please contact:

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**PRESENT AT SMM 2014**

Dott. Ing. Giulio Gennaro is present SMM 2014 from 9 to 11 September. Contact him for further information and documents on SISTEMAR CLT Propellers at +39 335 655 2125