

Flying squad propeller repairs



High-quality propeller repairs anytime, anywhere

Since the introduction of flying squad propeller repairs in 1999, Wärtsilä propeller repair technicians have been travelling all over the world to carry out over 250 of these repairs on site. We have over 20 class-approved welding technicians available and all our repair procedures are approved in accordance with the rules of the classification society.

Flying Squad Toolbox Container

Special tools and equipment are required for metallurgical propeller repairs, so we have specialized toolboxes at several main hubs around the world. Special Flying Squad Toolbox Containers (FSTCs) are stored in the Americas, Europe and the Far East, so that the proper tools and equipment can be made available on site.

An FSTC is a 20 foot sea container, fully equipped with the following special developed propeller repair tools and consumables:

- Laser measuring equipment (for propellers up to 10 metres in diameter)
- Water-cooled MIG welding machines
- Straightening equipment
- Special grinding equipment with high frequency power transformers
- All required consumables such as welding wire, grinding stones and polishing discs.

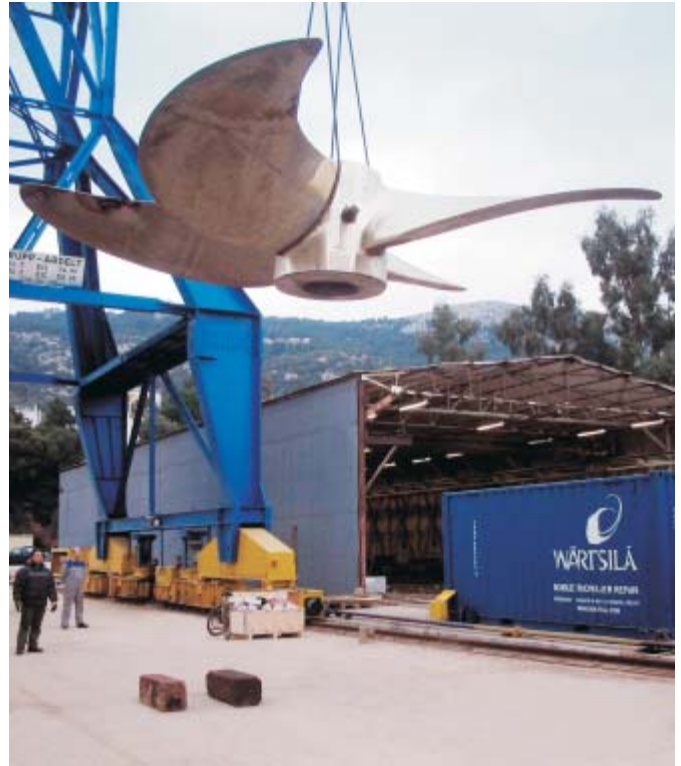
■ ■ ■ **The advantages to have the FSTC on site**

- Reduction in working time, since our technicians are fully independent of the yards
- Reduction in transportation costs for tools and equipment
- Quicker response; an FSTC is available in several major locations.

Way of working – quotation

Wärtsilä is able to supply a fixed, firm (lump sum) quotation within a couple of hours, if we have the following information:

- Underwater propeller inspection reports
- Photographs (preferably digital)
- Visual inspections by owner and / or local Wärtsilä service employees.
- Our quotations include all working hours (normal hours, overtime and weekend hours), travelling hours, flight tickets, lodging costs, transportation costs for equipment or FSTC and all required consumables.



Fixed pitch propeller repair on site.



Flying Squad Toolbox Container.



Flying Squad Toolbox Container, inside.

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Wärtsilä Propulsion Netherlands B.V.

Lipsstraat 52, P.O. Box 6
5150 BB Drunen
The Netherlands

Tel. +31 416 388115
Fax +31 416 373162
www.wartsila.com

