AMPS

FPP & Blade repair

necessary and profitable

Propellers spend most of their life cycle under water. Fouling of the propeller blades is just one of the consequences. This may seem insignificant, but causes -unnoticed at first- efficiency loss.
Wear or damage can remain unseen for a longer period of time. Unless your vessel starts to vibrate of course. Damaged blades can do a lot of harm to the propulsion installation. And to your wallet. Efficiency loss means higher fuel costs.

AMPS offers you

- metallurgical repairs: such as welding, straightening, grinding & polishing, diameter reduction & trailing edge cutting
- OEM independent specialists
- hydrodynamic calculations before repair
- repair & modifications
- underwater repair specialists
- a fully equipped workshop
- propeller & blade inspection
- new propeller (blades)

Damaged blades

If your propeller blades are damaged, repair has to take place. Moreover a coherent, well-thought-out repair has to be carried out.
Of course it's possible to just cut off the damaged section, but a propulsion installation is a delicate and balanced system. Cutting off pieces will influence propulsion as a whole.

AMPS offers a thorough inspection or a report-based solution. Our hydrodynamic engineer will give you advice that minimises efficiency loss and fits your propulsion installation.

Repairs can be done in situ, in house, or afloat.

Repair procedures

All repair procedures are set up in close collaboration with the classification society and the customer.
AMPS reports back with a detailed report of repair including all data, measurements and adjustments.

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In situ & in house

FPP repair will in many cases be done afloat or while docking at a shipyard. CPP and bow thruster blades can be repaired afloat, at a shipyard or in house. If possible the most convenient way is to repair in house or at a shipyard. AMPS offers fully equipped workshops in the Netherlands.

If in house repair is not an option, our blade repair specialist can do the job locally too. He either does it himself or supervises the local shipyard employees.

Afloat and underwater repair

Underwater repair reduces the vessel's downtime and saves you the trouble and costs of dry-docking. AMPS can perform the cold straightening of bent blades and remove damaged blade sections.
All repairs will be carried out by an experienced propeller repair specialist. A hydrodynamic engineer makes the necessary calculations. It goes without saying that the calculated propeller mass balance has to be according to ISO class standards. Hydrodynamic edge profiles will be established on the modified blades.

AMPS selects qualified diving companies

When repair needs to be done afloat or under water, AMPS works with highly qualified divers.
The carefully selected diving companies offer trained divers with a lot of specialist knowledge and experience.

If the work has to be done on the spot and local facilities and knowledge are insufficient our service is what you need. You don't want to take any risk with your propulsion installation.

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