



MARINESHAFT

and repair. While working on the shafts in Hirtshals, the company sent a team to Rotterdam to weld and machine the lower rudder cone. When the repaired parts arrived in Rotterdam the rudder stock was smoothly fitted into the rudder and the vessel was ready to sail.

New manufacturing

When repair is not an option MarineShaft is fully prepared. Short delivery time can be provided thanks to an extensive stock of classed material valued around two million euro.

“Having class-approved steel, round bars, plates, stainless steel and bronze material in stock means we are able to start manufacturing a new shaft the moment we get an order and this is an important factor for our customers”, says Head of Estimate Lisa Hjerimitslev.

Traditional Ship repairs

MarineShaft also carries out traditional ship repairs such as those done on engines and gears, winch and deck equipment and all manner of reparations and services of RSW systems. Often MarineShaft is the contract holder for more extensive renovations of fishing vessels.

Earlier this year, the fishing vessel Brestir came from The Faroe Islands for a planned refit. During docking its owners decided that they also wanted a complete overhaul of the boat’s propeller equipment. MarineShaft welded the control and bearing surface onto the propeller hub using the laser cladding method. Also, the inner- and outer chrome liners on the propeller shaft were re-welded.

The fishing vessel Grimsholm came all the way from Tomsø, Norway, for repairing and modifications of its RSW cooling systems thus saving thousands of euros for the owner as the alternative would have been to install a new RSW plant. New pumps were installed and other hydraulic repair work was carried out where MarineShaft was instrumental in the overhaul of the Reintjes Gear as they are an approved service supplier for Reintjes marine gearboxes in Denmark.

Pär-Henrik Sjöström

Putting it straight

MarineShaft is renowned in the industry for their straightening repairs – an art based upon more than 40 years of experience.

Danish company, MarineShaft which is located in Hirtshals, northern Denmark is a longstanding specialist approved to straighten shafts with a time saving, cold-pressure hydraulic technique offering a permanent repair. With their new 180-ton hydraulic press they can straighten shafts of up to 1500 mm in diameter and offer press services of up to 8000 tons.

Fast repair solutions

“Every hour is important in the marine repair business and at MarineShaft we make decisions fast and provide our customers with the best solution within hours”, says senior project manager, Allan Nielsen.

“We are committed to delivering high quality service and, if needed, our team will work around the clock to meet a deadline. That is a must in this business if you are to be to be successful”.

Even though the straightening techniques the company uses are based

upon old craftsmanship, MarineShaft constantly keeps abreast with new repair techniques. Last year, the company invested in an automated laser-cladding system which means that parts which the classification societies do not normally allow to be welded onto a component now can be. Laser cladding is performed using a numerically controlled industrial robot which means that multiple geometric welding variants are possible.

Complete repair solution

With its extensive array of mobile equipment, MarineShaft can carry out almost any repair on site. This includes repair of propellers, laser alignment, the boring of stern tube, welding rudder cones and many other repairs.

Earlier this year, MarineShaft in Rotterdam carried out repairs on a Greek-owned vessel after it was grounded. The rudder stock and intermediate shaft were sent to MarineShaft for straightening