

ENERGY
ENVIRONMENT
ECONOMY

CLASS APPROVED PROPELLER SHAFTS AND RUDDER STOCKS REPAIR



COLD STRAIGHTENING REPAIR

– A PROFITABLE SOLUTION

A bent shaft can cause premature wear of bearing lines, gear boxes or couplings and in a worst case scenario it can bring the vessel to a halt.

In most cases, cold straightening of the shaft is the primary option for resuming operation fast and economically, compared to purchasing a new shaft.

The Wärtsilä propulsion workshop in Denmark has developed a unique technique of cold straightening providing repair of shafts of all types and sizes.

Many jobs can be completed within 24–48 hours from arrival at our workshop.

Classification societies consider this Wärtsilä solution as permanent; an individual certificate is issued on each repair.

Cold straightening is performed by a hydraulic press, numerically controlled. This method does not affect the metallurgy of the shafts, releases stress from the material and allows full recovery of the geometry of the shaft with the same tolerances as for a new shaft.