

PARTNERSHIP WITH GLOBAL ORGANIZATIONS ON SHIPPING SOLUTIONS & SERVICES

 WÄRTSILÄ 2 & 4-Stroke Engines, Propulsion equipment, Decarbonization & Environmental solutions	 Hanwha Engine 2-StrokeMain Engine & Dual Fuel Engines (ME-GI, MEGA & X-DA)	 MAN Engine propulsion & control systems, propeller maintenance & turbocharger MRO	 BOILERMAN Engineering, MRO, Ship Conversions, Offshore & Subsurface products and services	 KONGSBERG Vessel MRO, Offshore & Subsurface products & services	 MODUTECH Maintenance, repairs, upgrades, conversions, and new builds
 AEGIR Marine Stern tube seals & propulsion solutions	 CPR CRYO PUMP REPAIRS LTD Repair / Servicing, Upgrading and re-rating of Rotating Equipment on LNG / LPG vessels	 ACTEMIUM LNG Cargo Tank Testing Services	 Gabadi LNG Cargo tank repairs and related services	 CRS CCS REPAIR SOLUTION Repair of LNG Cargo tanks fitted with GTT Technology	 MARCHANI LNG Cargo tanks fitted with GTT Technology
 CSUB Fabrication of Glass Reinforced Plastic items	 FS Electrical cables and penetration fire stopping services	 SILVERSTREAM TECHNOLOGIES Active Air Lubrication Systems (ALS) Installation	 armada TECHNOLOGIES Passive Air Lubrication System (PALS) Installation	 ALFA LAVAL Waste Heat Recovery System (WHRS) Installation	
 ROTO BOOST Boil-off Gas (BOG) management & Pre-Combustion Carbon capture & removal technology	 SAMSUNG HEAVY INDUSTRIES Carbon Capture System, Digital Solutions, Decarbonization & Digitalization of Operation Systems	 COSCO SHIPPING Ship Repair, Modular Fabrication, Energy and Carbon Reduction technologies	 CSSC 青岛双瑞 SUNRUI CCUS (Carbon Capture Utilization & Storage) Design & installation		

ENHANCED RANGE OF IN-HOUSE CAPABILITIES, SOLUTIONS AND SERVICES

Ballast Water Treatment System (BWTS) After-sales Station

Partnership with major global BWTS vendors for after-sales and project support



Remote Inspection Technologies

Joint Development Projects (JDP) with leading Marine Classification Societies



ENHANCED RANGE OF IN-HOUSE CAPABILITIES, SOLUTIONS AND SERVICES

ELECTRICAL

- ✓ Magnetic Compass Calibration
- ✓ Fiber Optic Cable Splicing
- ✓ Thermographic Camera Survey for Switchboard & Hot Insulation
- ✓ Hot Spot test and Rewinding of Motor Stator
- ✓ Calibration of Electronic / Electrical Measuring Instruments
- ✓ Robotic Trunk cleaning of HVAC Duct
- ✓ Vibration Analysis
- ✓ Upholstery work for Marine & Offshore projects
- ✓ GI Duct fabrication (square & spiral) & installation

ENGINEERING

- ✓ 3D Cadmatic Modelling Software
- ✓ Finite Element Modelling Software for complex structural analysis
- ✓ TEKLA Software for Offshore fabrication

MECHANICAL

- ✓ Chroming facility for Piston Crowns, Hydraulic Cylinder Rams
- ✓ Main Condenser cleaning - Steam ships
- ✓ Ceramic coating of Valves, Pump Casing, Strainers & End plates for Coolers
- ✓ Overhauling of Piston-operated Valves for Main Boilers of LNG Steamships
- ✓ Complete Incinerators refurbishment
- ✓ Rocking Test for Cranes
- ✓ Laser Alignment checking of Shafting jobs
- ✓ Overhaul of Cargo SNR / Non-Return Valves (NRV) and Manual Valves
- ✓ Chock Fasting
- ✓ Fluorescent Particle Testing for Leak checks on Heat Exchangers
- ✓ Vacuum Box testing for LNG ships Membrane tanks
- ✓ Deadweight valves for NO 96 & MARK III Integrated Bridge System (IBS) protection
- ✓ Pickling Facility for cleaning
- ✓ Cargo Line Safety Valves overhauling

ENHANCED RANGE OF IN-HOUSE CAPABILITIES, SOLUTIONS AND SERVICES

PIPING

- ✓ Pneumatic Pipeline Inspection Gauging (PIG) of pipeline spools
- ✓ Subsea Pipeline (API 5L - EX65 / F65) Welding
- ✓ Incoloy Welding
- ✓ Pipe Spools fabrication for like-to-like renewal without removing existing spools when vessels are in operation / service
- ✓ LNG Liquid Line Filter fabrication

SHIPWRIGHT

- ✓ Field Joint Coating (FJC) - High Temperature Tape Polymetric (HTTP) Wrapping for subsea pipelines
- ✓ Subsea pipeline 3-layer Polyethylene / Polypropylene (3LPE) coating repair
- ✓ Mooring Wires and Mooring Tails Destructive Testing
- ✓ Lifeboat Testing facility
- ✓ Robotic Grit Blasting
- ✓ Supply Boat Service

STEELWORKS

- ✓ Propeller - Build-up welding
- ✓ Aluminum Fabrication / Repair works
- ✓ Cast Steel Welding
- ✓ Corrugated Bulkheads Fabrication (Plate thickness from 3mm - 35mm)
- ✓ Plate rolling / Cones fabrication (Plate thickness from 3mm - 35mm)
- ✓ Anchor Fluke / Shank straightening
- ✓ Rudder shaft, Tail Shaft build-up
- ✓ CNC Plate Cutting Machine (Oxy Fuel, Plasma cutting) capable of cutting Mild steel (MS), Stainless steel, Duplex, Aluminum, Bronze, Copper & Alloy steel), cutting thickness: Mild Steel up to 200mm and other materials up to 30mm
- ✓ Structural Pipe Welding work - Mild Steel (6G / 6GR joints)
- ✓ GI Duct fabrication (square & spiral) & installation