

BRIGHTSUN
MARINE PTE LTD

Established in 1998 at Singapore



SHIP REPAIR.....

Made simple

QUALITY & SAFETY

ISO 9001:2015 & ISO 45001:2018 certified by
SOCOTEC Certification International

Brightsun follows best practices in the
Industry and strive to exceed customer's
expectation

Culture of continuous improvement, Use data
to drive decision-making, streamlined
processing & Foster a safety culture

OUR VISION

To be a Pioneer in the Marine
Services sector globally
To offer Safe and Reliable
Ship repair services

INNOVATION

Technology Advancement
Customer focus
Quality
Talent development
Environmental sustainability

BRIGHT PROSPECTS

Brightsun has a well qualified and experienced team
Grown from 5 persons team in 1998 to 555 persons team
Innovate to excel, people centric, collaborate for success
Empowering possibilities, Build to last, Delivering excellence
Innovation with a purpose, having Safety Culture as a paramount practice





We are authorized by

DU Mitsui E&S DU Co., Ltd.

 **HANSHIN DIESEL**

 **J-ENG**
Japan Engine Corporation

 **AKASAKA Diesels Limited.**

 **NAKASHIMA**

 **NIKURA KOGYO CO.,LTD.**

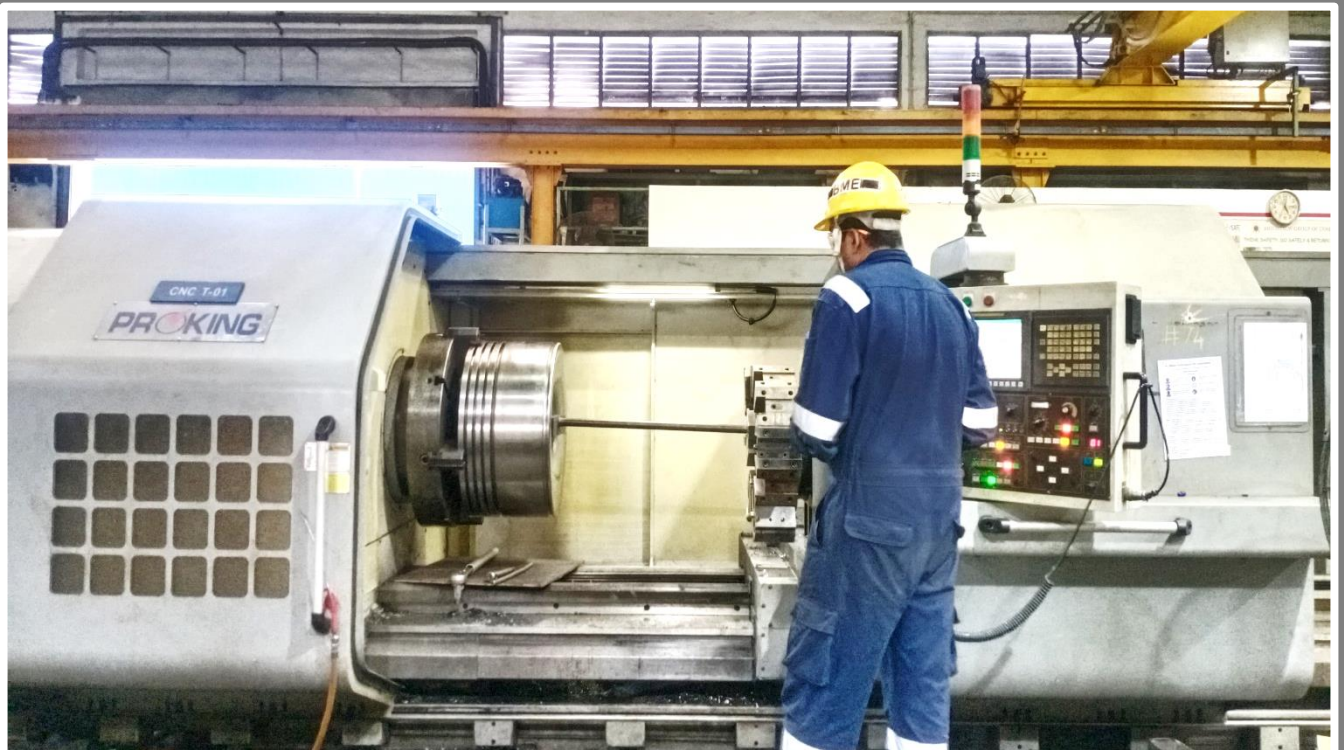
Service Partner of

 **HD HYUNDAI
MARINE SOLUTION TECH**



ENGINE COMPONENTS RECONDITIONING

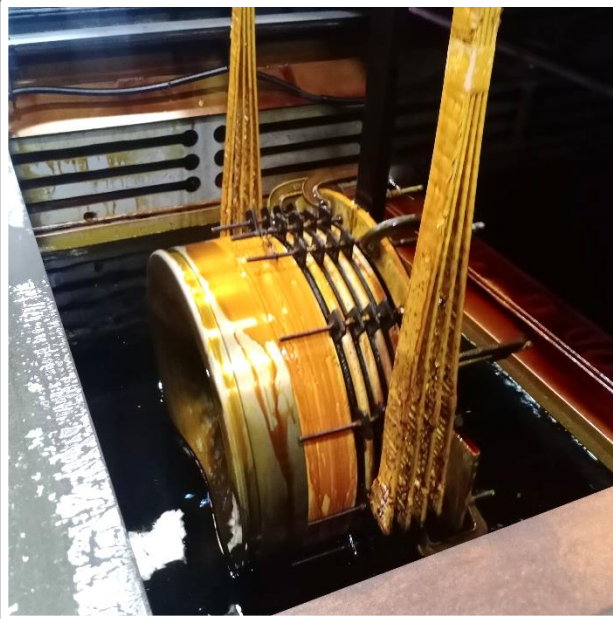
State of the Art facilities to carry out Full & Partial Reconditioning of 2 Stroke Piston Crown, Cylinder Cover, Piston Rod, Exhaust Valve Spindle/Seat, Piston Skirt and Exhaust Valve Housing etc. for models B&W, SULZER and UEC as well as 4 Stroke Piston Head & Cylinder Head etc. for models YANMAR, DAIHATSU, B&W, WARTSILA, CATERPILLAR and CUMMINS.



CNC MACHINING OF PISTON CROWN



CNC FINAL MACHINING OF CYLINDER COVER



**HARD CHROME
PLATING OF PISTON RING GROOVES**

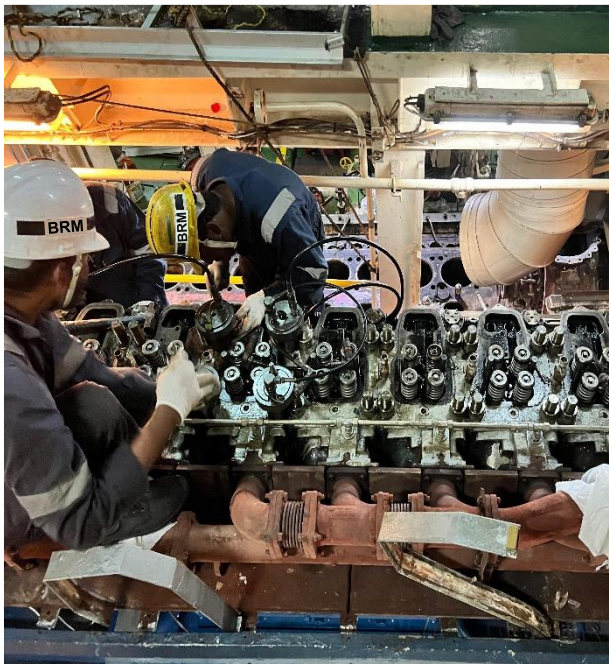


**AUTOMATED SAW
WELDING OF CYLINDER COVER**

MAIN & AUXILIARY ENGINE OVERHAULING



2 – STROKE ENGINE OVERHAULING



4 – STROKE ENGINE OVERHAULING



MARINE MECHANICAL SERVICES

Overhauling of Engine room & Deck machineries

In-situ renewal of seals, spares & accessories

Laser alignment of static & rotating equipment's

Overhauling of Gear box & Hydraulic machinery

Trouble shooting of PV valves c/w Test bench facilities

Remove, Overhaul & Refit CP propeller, FP propeller & thrusters

Repairing of Rudder, Kort Nozzle & Stabilizer



THRUSTER OVERHAULING



GRAB OVERHAULING



MARINE ELECTRICAL & AUTOMATION SERVICES

Rewinding & Overhauling of Electrical motors
Certified test kit for Switch board calibration
Tank gauging & Cargo control systems
High Pressure / Chemical washing
Measuring / Monitoring equipment's calibration
In-Situ Chemical cleaning of panels, motors & generators
Function test & Load test



ELECTRICAL MOTOR SERVICES



**ELECTRICAL MOTOR
HEALTH ANALYSIS**



**IN-SITU CHEMICAL CLEANING
OF ALTERNATOR**



**REWINDING OF
ELECTRICAL MOTORS**



**ELECTRICAL INSTRUMENTS
TESTING LAB**



HEAVY LIFTING OPERATION



ALIGNMENT INSPECTION



PROPELLER & TAIL SHAFT INSTALLATION

PROPELLER POLISHING



OTHER SERVICES

- Dynamic balancing
- NDT, Diving & Scaffolding services
- Infrared thermograph analysis
- Laser Alignment
- Electronic Engines – FIVA, ELFI & HPS overhauls
- Rigging & Load test
- HVAC / Heat exchanger overhauling
- Blasting & Painting



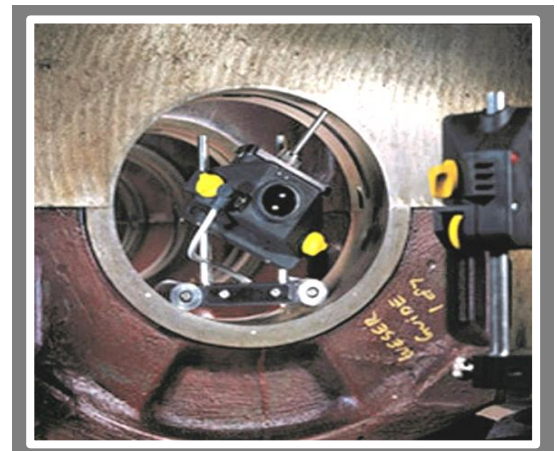
DYNAMIC BALANCING



NDT - ULTRASONIC TEST



INFRARED THERMOGRAPH



LASER ALIGNMENT



MACHINE SHOP & IN-SITU MACHINING SERVICES



**IN-SITU CRANE PEDESTAL
FLANGE MACHINING**

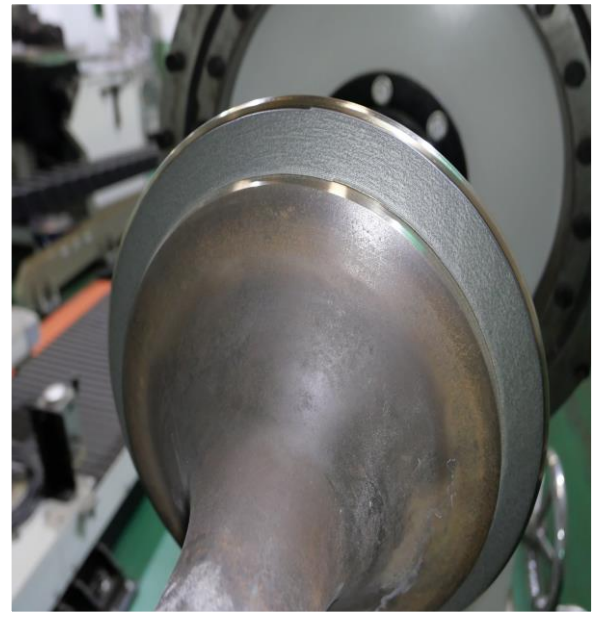


IN-SITU LINE BORING

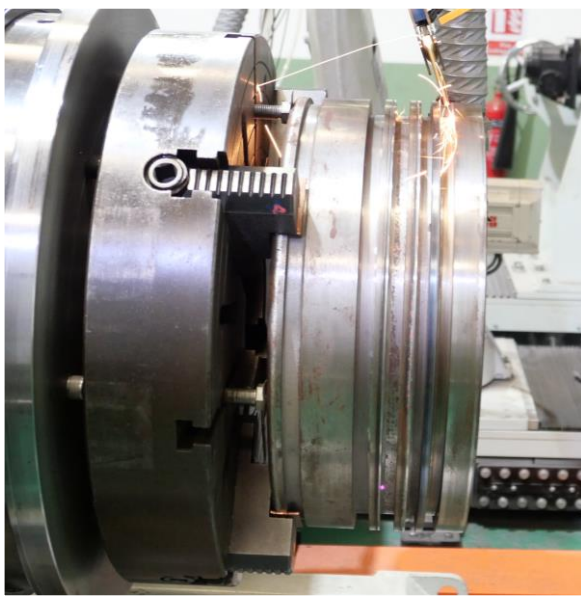
ROBOTIC LASER CLADDING SERVICES



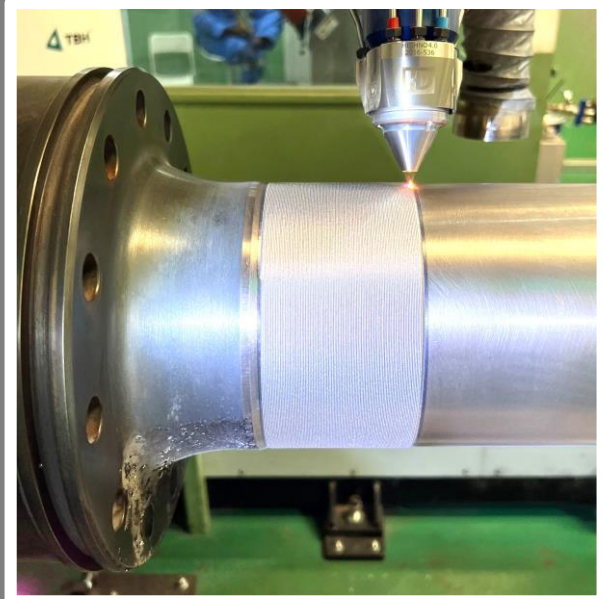
**CLADDING OF AUX.ENG CYL HEAD
VALVE SEAT POCKET**



**CLADDING OF EX.VALVE SPINDLE
LID SURFACE**



**CLADDING OF PISTON RING
GROOVES**



CLADDING OF PISTON ROD

PIPING SERVICES



STEEL WORK SERVICES





BRIGHTSUN GROUP OF COMPANIES

BRIGHTSUN MARINE PTE LTD

HOE PING ENGINEERING PTE LTD

BRIGHTSUN ENGINEERING PTE LTD

CORAL ENGINEERING PTE LTD

BRIGHTSUN ELECTRICALS PTE LTD

BRIGHTSUN ENGINEERING SG PTE LTD

BS E&I SERVICE PTE LTD

PT BRIGHTSUN MARININDO PERKASAA

MARS MARINE SERVICE PTE LTD

BHAARATH MARINE TECH PVT LTD

WORKSHOP FACILITIES

Our workshop located in No 9, Tuas Avenue 8, is equipped with a wide range of facilities under one roof spread over an area of 60,000 sq/ft

- ❖ Hard Chrome Coating Tanks
- ❖ 3, 5, 10 and 20 ton capacity Overhead & Gantry crane
- ❖ CNC Vertical Lathe Machine Chuck Dia 1.8m, Height – 1.25m, Capacity – 8 Ton
- ❖ CNC Horizontal Boring Machine with Table 1.6 x 1.8 m, Height – 2.3m, Capacity – 12 Ton
- ❖ CNC Horizontal Lathe Machine Chuck Dia 650mm, Length – 3m
- ❖ CNC Horizontal Lathe Machine Chuck Dia 300mm, Length – 1.5m
- ❖ Conventional Lathe Machines, Milling Machines & Radial Drilling Machines
- ❖ Horizontal Boring Machines with Table 1.6 x 1.8m, Height – 2m, Capacity – 10 Ton
- ❖ Dynamic Balancing Machine
- ❖ Electrical / Electronics / Automation Laboratory
- ❖ Hydraulic Pump for Testing Valves and Actuators – Pressure 20,000 psi
- ❖ Automated PTA, SAW & FCAW Welding Set with Tilting positioner table
- ❖ High Pressure Cleaning and Chemical Washing Bay
- ❖ Ovens for Heating & Annealing of components - Temp Range up to 650⁰ C
- ❖ Robotic Laser Cladding plant with Horizontal Lathe L- 6m, Capacity – 8 Ton & 2 Ton positioner
- ❖ Approved welding procedure for Robotic Laser Cladding from DNV Classification
- ❖ Approved WPS, PQR & WPQ for materials like MS, HT, SS, AL & CuNi from DNV Classification
- ❖ In-house HSE Training Centre

WE ARE.....

Brightsun Marine, a company providing services specializing in ship repair since 1998.

We will continue to strive to accurately understand customer needs and improve our services.

CONTACT US



+65 6863 2575 (Sales)
+65 6863 4001 (Office)



sales@brightsun.com.sg
engine@brighsun.com.sg



No 9 Tuas Ave 8
Singapore 639 224



www.brightsun.com.sg



BRIGHTSUN GLOBAL SERVICE NETWORK



NETHERLANDS



INDIA

SINGAPORE



INDONESIA