



MRO

Maintenance, Repair and Overhaul

Electrical | Mechanical | Controls | HVACR | Product Distribution

● **Marine & Offshore**

- Built Environment
- Infrastructure
- Industrial
- Energy

MAINTENANCE, REPAIR & OVERHAUL SERVICES

THE STRENGTH TO STAND THE TEST OF TIME AND NATURE

The marine industry is a tough environment. When it comes to overcoming challenges, you need a dependable partner who can deliver solutions at every cycle.

Count on Cyclect to make things possible.



Cyclect adheres to international quality, environmental and safety standards in construction and project management, as shown by our ISO 9001, ISO 14001 and ISO 45001 certifications.

We are UL and IECEx certified by Underwriters Laboratories, Inc., so clients are assured that the motors and generators that we service can withstand hazardous environmental conditions.



DIFFERENT BRANDS, ONE STOP

Cyclect provides sales and services for:



DIFFERENT COMPONENTS, COMPLETE SOLUTIONS



Electrical Services

- HV/LV equipment rewind and overhaul
- Rotating Equipment (Generators, VPI electric motors) & transformers
- Aircon compressor motors
- DC and traction motors servicing
- MV/LV generators in-situ chemical clean and overhaul
- Generators and Motors health check
- MV/LV ship docking services and maintenance
 - Thermal Survey (Thermography)
 - Ductor (contact resistance) test for MV Switchboards bus bars joints
 - Switchboards Instrument calibration
 - Switchboards inspection, cleaning, and torque tightening
 - LV ACB maintenance
 - MV Vacuum and Gas circuit breakers maintenance
 - Primary and Secondary current injection tests
 - LV/MV Surveyor testing for Protection Relays (OCR, preferential trip, under voltage trip, reverse power trip)
 - Off-line and On-line inspection of Generators and Motors
 - High voltage impulse cable test
- LV ACB & MV VCB/GCB mechanism repairs and replacement services
- AVR/ACB/MSB/PMS troubleshoot, repair, modification, and retrofitting
- Generator automatic control, synchronising and load sharing system troubleshoot, repair, modification, and retrofitting
- Main Switchboard, Power management systems and control panels
 - Design and supply of MSB and PMS, electrical control, and starter panels
 - FAT, installation, and commissioning services
- Load analysis, harmonic analysis, and short circuit calculation
- ME & AE alarm and monitoring system troubleshooting and repairs
- Bow thruster control system and starter panels troubleshooting and repairs
- Electrical systems and automation systems troubleshooting and repairs
- VFD and soft starters troubleshooting, repairs and retrofitting
- MV/ LV Cables installation, termination, and Hi-pot (Dielectric strength) tests
- EX Repairs for Control Panels, Motors and Generator repairs

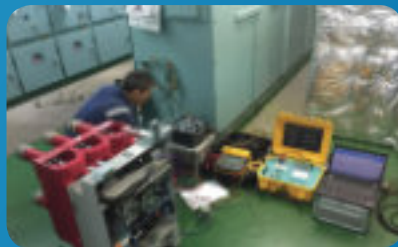
Mechanical Services

- Remove & Refit Alternators & Motors at site
- Rotor Balancing
- Workshop / In-Situ Generator Overhaul
- Pumps
- Gearbox
- Winch / Hoist / Hydraulic Equipment
- Air Compressors
- Laser Alignment
- Vibration Analysis
- Steelwork Fabrication



Customised Marine & Offshore Projects

- Electrical Equipment Installation
- E-House design, supply & installation
- Commercial diving services
- 3D scanning services
- Ballast Water Management System
- Customised Frequency Converters (50Hz <-> 60Hz)



Marine Controls and Automation Services

- Refurbishment of panels (MSB, DB, starter panels)
- Control panel design and fabrication
- Main and Auxiliary engine control
- Alarm and monitoring systems
- Bow Thruster Control systems
- Customised PLC/SCADA solutions

HVACR Services

- Hot water and heating systems
- Heat Pump and heat recovery systems
- Mechanical ventilation systems (ducting systems)
- Air-conditioning systems & equipment
- Humidity control systems
- Refrigeration systems
- Service and overhaul AC compressors
- Duct Cleaning

Since our first contract with the Royal British Navy in 1957, we have served thousands of clients, including global ship management companies, shipyards, navies, FPSOs and oil platform operators.

Awards:

Cyclect has received numerous industrial awards, including two prestigious Enterprise 50 awards, Business Superbrands award, Singapore Prestige Brand award, ACES award, ASEAN Business award and WIPO-IPOS IP award.



Associations:

Cyclect is a member of the International Ship Electrical and Engineering Service Association (ISES), Association of Singapore Marine Industries (ASMI), Association of Electrical and Mechanical Trades (AEMT) and Electrical Apparatus Service Association (EASA).



COMPLETELY CYCLECT

Cyclect Group provides engineering, procurement, construction, technical solutions, renewable energy solutions, project development, project management and facility management services. With offices in 10 countries and over 500 staff, we have become a trusted partner to numerous global companies since our founding in 1943.

We serve key industrial segments including marine and offshore, oil and gas, telecommunications, data centres, high-technology manufacturing, utilities and infrastructure, process and pharmaceutical, education campuses, theme parks and many other industrial, commercial projects and special events.

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