

ABOUT US:

M&I Electric Brazil is a subsidiary of Stabilis Solutions, an US public company (Nasdaq SLNG). M&I Electric Brazil have been providing products and services around the world for nearly 80 years. Operations in Brazil began in 2010 with a focus on power supply and electrical maintenance solutions in the Industrial and Oil & Gas market. The 04 operating units are located in Macaé – RJ, (headquarter), Rio de Janeiro - RJ, Belo Horizonte - MG - and Vitória - ES.

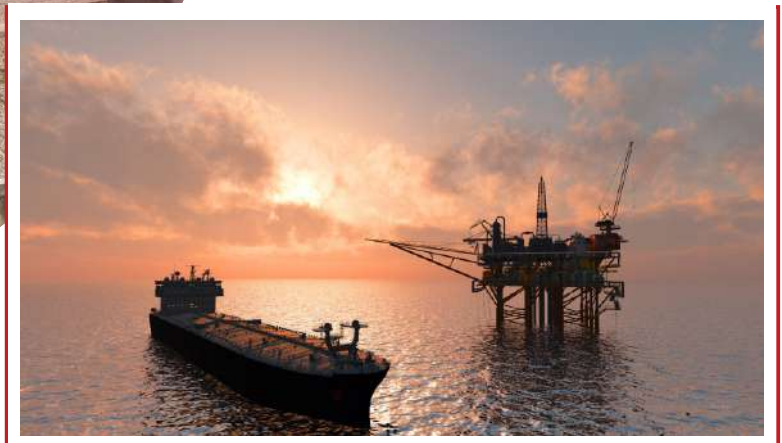


OUR PORTFOLIO OF ACTIVITIES INCLUDES:

PRODUCTS – Low and medium voltage electrical panels, motor control center (MCC), Power Houses, withdrawable medium voltage contactors, technical assistance and authorized reseller WEG motors, Danfoss inverters, Marangoni radiators for transformers and HVPD equipment for partial discharges monitoring .

ENGINEERING – Electrical studies and projects, construction and modernization of protection, automation, electrical power substation systems, turn-key solutions.

SERVICES – Corrective, preventive, predictive and Condition Based Maintenance (CBM) as well as adjustments and checks on electrical equipment such as: motors, generators, transformers, circuit breakers, relays, contactors, inverters, Low and Medium voltage panels, electrical power substation equipment (CT, PT, disconnect switch, lightning arresters, insulators), meters and manpower supply.





Technical services for Oil & Gas offshore and onshore, drilling, pipelay and platform supply vessels.

Equipped with the latest available test and calibration equipment M&I's technicians and services engineers can establish a base line of all equipment during commissioning of new facilities, and continue to maintain and repair equipment as needed to maximize system up time implementing the most optimal solution for our customers' complex requirements.



FIELD SERVICES

RELAY & METER TESTING

- Protective relay testing & calibration (electro-mechanical, solid state, microprocessor)
- Repair & function test
- Setting file programming (any brand)
- Three phase Test Set to perform tests
- IEC 61850 Testing Capability

CIRCUIT BREAKER TESTING

- Primary and secondary injection (Makers Test Kit as ABB, Eaton, Schneider, Siemens, GE)
- Contact resistance and insulation
- Time travel analysis
- Vacuum Integrity with AC Hi-Pot Test
- Breaker retrofits and upgrades (any brand)

AC & DC DRIVE SERVICES & RETROFITS

- VFD drive repair, commissioning and troubleshooting
- AC & DC Drive routine inspection and maintenance
- DC Drive commissioning & troubleshooting
- Retrofits

MOTOR & GENERATOR

- Motors & Generator preventive maintenance
- Thruster motors & generators bearing replacement onboard
- Engine/ Generator Control upgrades & commissioning (AVR, Speed, Control, Load Share Control)
- CO₂ (dry ice) cleaning in loco
- Laser alignment and vibration analysis
- Partial Discharge & Tan Delta
- On site rewinding

NR-10 AND NR-12 SAFETY REGULATION

- PIE report
- Risk assessment
- Long Term contract
- Technical responsibility
- PPE & CPE re-certifications

TRANSFORMER TESTING

- Winding resistance
- TTR – Transformer Turn Ratio
- Megger test + AI & PI
- Cleaning & Visual Inspection
- Power factor testing

SWITCHBOARD SERVICES – LV AND HV

- Infrared inspection
- SPS survey + cleaning
- Repairs in loco
- Upgrades & system troubleshooting
- Partial Discharge (PD) testing and survey
- Switchboard & MCC retrofits and modifications

PLC AUTOMATION SERVICES

- Siemens, Rockwell & others programming
- PLC/Automation support & modifications

CABLE & BUS TESTING

- Hi Potential & Megger
- Bus upgrades and repairs
- High voltage splices end terminations

GENERAL SERVICES

- Startup services
- Shutdown testing services
- Cell retrofit of breakers
- Selectivity Study and protection coordination

ENGINEERING SERVICES

- System, coordination, short circuit studies
- AC & DC system designs and one lines diagram
- Energy storage systems
- AutoCAD documentation



WORKSHOP SERVICES

- Motors & Generators repair and overhaul
- Motor shop equipped with VPI (Vaccum pressure impregnation) for motors rewinding
- Breaker repair: primary current injection up to 100.000A
- Retrofit of new trip unit
- Transformer repair and testing
- Breaker refurbishment
- Switchgear refurbishment



EMERGENCY SERVICES



- Troubleshooting
- Bus bar replacement
- Root cause fault analysis

PREVENTATIVE MAINTENANCE

- Maintenance programs & system inspection
- Schedule shutdowns



ELECTRICAL & CONSTRUCTION SOLUTIONS

- Project Management
- Plant Maintenance and Service
- Plant Automation and Control Work
- Control Panel Design and Construction
- Automation equipment installation
- Equipment/Machine Testing
- High Voltage installation ranging from 480V to 138 KV
- Instrumentation & Controls
- New Construction
- Facility Expansion
- Modernization & Renovation
- Maintenance & Repair

ENGINEERING STUDIES AND SERVICES

Experienced with turn-key projects for all types of O&G industry projects. Manufacturing capabilities which can provide complete systems including switchgear, motor controls AC & DC startup, the construction/installation group has capabilities to offer customers a total solution.



POWER DISTRIBUTION & CONTROL PRODUCTS

OUR E-HOUSE

Capabilities include design, manufacturing, assembly, wiring, and integrated full system testing. These systems are designed to meet the broadest classification standards in the industry. M&I Electric Brazil has provided compact electrical systems through e-houses composed of low voltage switchboards, medium voltage switchboards, automation cabinets (including all programming and network configuration). All these solutions have been supplied with a Fire Detection and Alarm Systems, meeting current standards and customized applications/requirements for each customer. **Customized solution for your type of business with practicality, quality and reliability.**

CUSTOM DESIGNED POWER DELIVERY SYSTEMS

- Short delivery cycles
- Special enclosure design or sizing
- Custom assemblies with non-standard components
- Match and line up to existing apparatus
- Designed for harsh environments and hazardous conditions
- Microprocessor-based automation systems
- Unique or high-capacity bussing arrangements
- Manufactured cabinets using mild-steel, aluminum or stainless steel construction
- Integrated power distribution centers
- Turn-key systems



GET IN TOUCH



- 📍 Belo Horizonte - MG
- 📍 Rio de Janeiro - RJ
- 📍 Macaé - RJ
- 📍 Vitória - ES

✉ E-mail: comercial@mielectric.com.br

🌐 LinkedIn: [M&I Electric Brazil](#)