

Maintenance in electrics

A balance between energy efficiency increase & energy consumption reduction



Operational availability, efficiency and a reduction in energy consumption.

Maintenance in Electrics plays an important role in operational availability, energy efficiency, safety and, consequently, in industrial costs. The know-how and partners' network of Maintenance Solutions Division of ANDRITZ allows solutions to be offered that cover the whole Industrial Electrical area, including different technologies, equipment's categories and voltage levels. For clients involved in this area, MS Division is responsible for indicators such as operational availability, running costs, and MTBF and MTTR of critical equipment. Besides always striving for improvements in productive process, MS Division operates in compliance with strict safety norms to guarantee the teams' physical integrity and the clients properties.



Differentials

- Management of contracts since 1993, undertaking full responsibility for the job.
- Experience in large projects: "greenfield" and "brownfield"
- Teams specifically trained and qualified for electric operations
- Technological exchange between several contracts managed by MS Division
- Management systematics and remote supporting
- Experience in several outsourcing models and performance contracts
- Sindus-OPP, electrical switching module, which allows training through the simulation of field procedures in order to improve safety.

Activities



Scope of the function

- High, medium and low voltage electric boards
- Transformers
- Circuit breakers and switchgears
- Electric meters in general
- Electrostatic precipitators
- AC / DC motors drive
- Protection relays
- Frequency inverters
- MCCs (Motor Control Centers)
- No-breaks
- Interlocking devices with logic of relays and CLP

- Maintenance engineering
- Establishment of preventive and predictive maintenance plans
- Planning and scheduling activities
- 24h assistance with technicians in on-call support
- Maintenance of technical documentation
- Specification and approval of spare parts / equipment
- Maintenance records management
- Performance evaluation auditings
- General Shutdown services planning, supervision and execution
- Technical management of contracted services
- Planning and execution of electrical distribution switching
- Thermographic inspections
- Time and condition-based preventive maintenance
- Emergency and programmed corrective maintenance
- Detective and predictive maintenance and inspection routine

Specialized modules motors maintenance

In the field of motors, MS Division has a solid partnership with WEG, which operates in training, application engineering, spare parts evaluation and materials management. The correct maintenance of motors allows for:

- A reduction in production losses by motors
- A reduction in operational unavailability by motors
- A reduction in total cost of motors functioning
- An increase in energy efficiency with reduction in energy consumption
- Stock optimization (stock level and reliability)
- Improvement in the level of information and management

Sindus OPP motors

An online management system for all electric motors of the plant, even if they are interlinked to conventional or intelligent MCCs.

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