

Maintenance in Mechanics

Job oriented to achieve operational continuity of equipment



Reliability, availability and optimization of resources.

Directly related to the leading assets that make up productive processes, the discipline of Mechanics has a huge impact on costs and availability of operational resources. Aiming to increase productivity, lifecycle and reliability of each equipment, Maintenance Solutions Division of ANDRITZ offers contracts that align tools and advanced methodologies with deep know-how in several industrial assets, which manufacturer is ANDRITZ.



Scope of the function

- Pumps (centrifugal, positive displacement, vacuum, etc.)
- Compressors
- Automatic lubricators
- Bleeders
- Burners
- Reducers
- Blowers
- Hydraulic systems
- Pneumatic systems
- Tanks, bins, pressure vessels, etc.
- Heat exchangers
- Transporters
- Turbines
- Valves (block, safety, relief, retention, etc.)

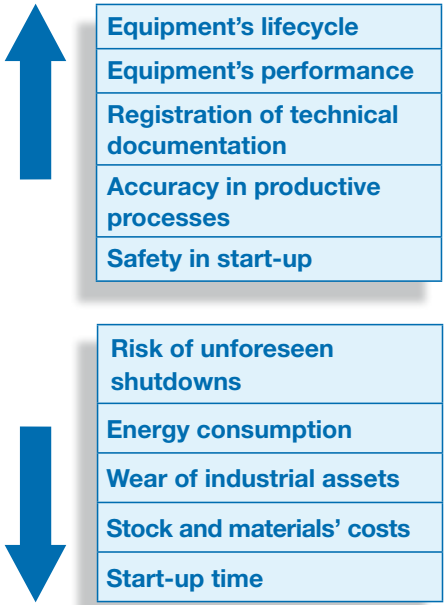
Differentials

- Know-how in specific stages of each productive process,
- Specialized rotating inspection modules, NR-13, pumps and mechanic seals
- Lubricating systems and maintenance engineering that operates systemically
- Proprietary technological tools for monitoring and diagnosis of equipment and processes.
- Specialized start-up team to ensure safe and prompt start ups.
- Technological support parts for mechanical equipment
- Job oriented to achieve operational continuity of mechanical equipment
- Proprietary methodology of auditing in plants and comparison of indexes with benchmarking parameters

Activities

- Establishment of preventive and predictive maintenance plans
- Planning and scheduling of interventions in equipment
- General and/or sectorial shutdown services planning, supervision and execution
- Daily maintenance of equipment
- Implementation of joint activities with other departments (instrumentation, electric and production)
- Services of mechanics, pipe fitting, welding, machining and lubrication
- Inspection of rotating and stationary equipment
- 24h assistance with technicians in a special shift or On Call Support
- NR-13 Management (boilers and pressurized equipment)
- Control indicators and monitoring systems
- Maintenance Engineering, improvements and failure analysis
- Maintenance record management
- Technical or total stock management
- Maintenance of technical documentation
- Specification and approval of spare parts / equipment
- Technical management of contracted services

Productivity and trust in productive process





Specialized Modules

Lubrication

Aiming the correct operation and conservation of industrial assets, MS Division has developed a mechanic maintenance module specialized in lubrication. Within the clients that operates, MS Division is responsible for the specification of the lubricant most suited to each application and for its use in the correct manner, frequency and quantity. Furthermore, MS Division monitors the condition of lubricants to identify the need for filtering or replacement. It is possible also to diagnose equipment's defects before possible failures, which lead to operational unavailability.

- Lubrication planning
- Development of routes and plans
- Lubrication execution
- Lubricants filtering
- Lubrication management
- Condition monitoring (contamination by water, particle counting, ferrography, temperature, etc.)

Inspection

MS Division's maintenance in Mechanics includes the monitoring of static and dynamic industrial equipment, allowing the identification of defects and the follow up of the evolutionary process of any failures. Thus, it is possible to forecast the equipment lifecycle, avoiding unscheduled shutdowns that compromise the operational availability of the plant.

Monitoring is carried out in a sensitive and discrete manner, with the use of instruments in inspection routes or online, and by sensors installed in the productive process.

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