

Maintenance, Feedback, and Optimization

Automate maintenance optimization by closing the work order feedback loop. To support a maintenance approach that is both cost effective and proactively managed, companies need to make informed decisions. Closing the work order feedback loop fosters maintenance optimization by capturing knowledge from events as they occur, forwarding the information promptly to the appropriate personnel, and permitting dynamic adjustments to maintenance strategies. Cohesive Solutions offers solutions which extend the capabilities of MAXIMO to automate the continuous feedback and optimization process. Through application configuration and innovative techniques, the deployment of advanced maintenance strategies such as Failure Modes and Effects Analysis (FMEA), Preventive Maintenance Optimization (PMO), and Reliability Centered Maintenance (RCM) are made possible.

Capturing Direct Feedback from the Craft

Craft personnel possess unique insights into asset conditions and the effectiveness of work plans and preventative maintenance (PM) tasks. Cohesive extends the MAXIMO framework to leverage the experience of the craft by:

- Storing feedback on a failure's effect and how it might have been prevented
- Capturing feedback on the effectiveness and frequency of a PM and how it might be improved.
- Evaluating work plan work instructions, resources, materials, tools, permits, and supporting information.

Automating Escallations and Workflow

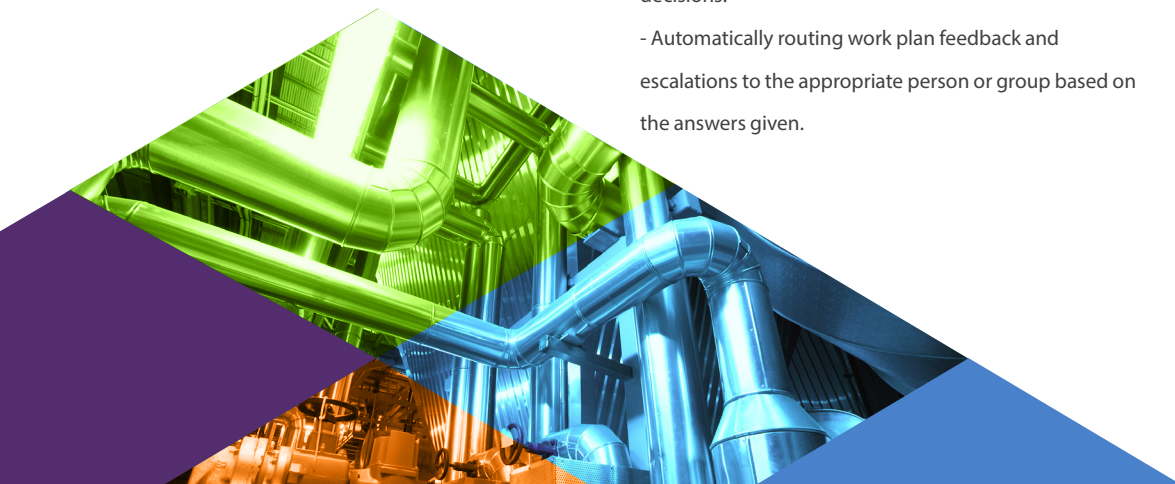
Automating the escalation and prioritization of work simplifies ongoing maintenance optimization and increases asset reliability. Valuable resources are better utilized when information is pushed to them, rather than having to mine the data.

Cohesive influences MAXIMO workflows by:

- Expanding the classifications of failure modes and locations to support automated decision making.
- Identifying the basis for each PM, its frequency, and the failure modes it is intended to prevent.
- Uncovering inconsistencies between FMEA, maintenance strategies, and asset failures
- Factoring the criticality of the equipment at its given location, its likelihood and consequences of failure, and economic, safety, and environmental impacts in priority decisions.
- Automatically routing work plan feedback and escalations to the appropriate person or group based on the answers given.



“The quest for excellence is driving greater scrutiny on the degree, frequency, and benefits of preventative maintenance.”



Solution

By implementing feedback and optimization capabilities, companies can focus their maintenance dollars more precisely. PM tasks can be focused on those properly designed and timed to prevent failure of assets in key operating locations. The risk of deferring or canceling a preventive maintenance task can be weighed. RCM analysis can be initiated for the most critical assets. And, capital improvement budgeting can be evaluated with respect to improving plant reliability.



Cohesive provides asset-intensive organizations with solutions that optimize business processes and information technology. Serving both public and private clients, we have established ourselves as the premier consulting and system integration firm focusing on asset, work, and supply chain management solutions.

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