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Strategic maintenance transformation: integrating processes, tools, and asset intelligence

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We're currently leading a maintenance project aimed at standardizing workflows and enhancing asset management practices across the MAX IV. At the core of the initiative is the implementation of the J5 platform to support structured, approval-based work request and order processes that ensure clear communication and accountability among teams. Building on an existing naming convention, we have established a unified approach to asset identification, enabling the creation of a traceable and consistent asset database. By utilizing J5 to monitor maintenance and event history, we improve equipment traceability and enable data-driven decision-making. The project also focuses on equipment criticality assessments to guide preventive maintenance planning, alongside consolidating key documentation e.g. work instructions, user guides, and OEM manuals. While shutdown planning, work permit management, and spare part tracking are already established to varying degrees, future phases aim to integrate these processes into the J5 platform. This will help reduce system fragmentation and support the development of a scalable, centralized maintenance framework aligned with long-term operational goals.

Footnotes

Funding Agency

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