Case Study

Upgrade to EAM from a Limited Work Order Management System

A wastewater treatment plant determined that they needed a comprehensive EAM solution, as their existing system was limited to work order management and lacked the consistency and automation that a modern EAM system provides. They also lacked visibility into critical data to drive key decisions, such as hiring, budgeting, and asset procurement versus repair.

Challenge

The Client's new EAM system and larger asset management goals were to interface with existing SCADA systems, expand visibility into critical data, and enable advanced analysis to support condition assessment and capital planning initiatives.

Solution

Collaborative Team: TRM worked closely with SPR's engineering, operations, and maintenance divisions, building a cohesive alignment on processes, data, and performance metrics. This coordinated effort allowed the Client to gain insight on condition assessment data, enabling a thorough understanding of projected capital needs.

Best Practices: TRM assisted the Client in embedding industry-accepted maintenance best practices into their EAM program. These organizationally accepted workflows provided the framework for growth of the Client's asset management program.

Results & Achievements

SCADA System Interface: The Client was at the forefront of a successful IoT initiative by interfacing their SCADA system with HxGN EAM. This integration allowed EAM to automatically create repair and inspection work orders based on equipment degradation or equipment performing outside of normal specifications.

Advanced Analysis: HxGN EAM allowed the Client to utilize asset tracking and condition assessment data to create accurate capital planning budgets. Armed with specific data related to labor requirements, part disposition, and equipment end of life forecasts, the Client was able to provide justification to budget numbers based on insightful data.

Expanded Visibility Into Critical Data: The Client improved their master data by utilizing SCADA data definitions and through implementing naming conventions based on current industry standards. These activities enabled the Client to initiate continuous improvement activities via various business intelligence metrics.

Key Facts:

Industry: Wastewater

Region: Colorado, US

Products Used:

HxGN EAM (cloud-based)

- Implementation allowed the Client to meet and move beyond their desired EAM and asset management program goals.
- TRM assisted the Client in embedding industry-accepted maintenance best practices into their EAM program.
- HxGN EAM allowed the Client to utilize asset tracking and condition assessment data

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