Asset Management Modernization

A Northeast Commuter Rail System

OVERVIEW

The Commuter Rail System is one of the busiest and oldest passenger rail systems in North America, servicing tens of millions of riders each year. Stellar was hired to assist the Commuter Rail and the prime contractor (Life Cycle Engineering) to implement and deliver the client's chosen Enterprise Asset Management Information System (EAM-IS) capabilities.

APPROACH

The Stellar team collaborated with the prime contractor to implement Infor EAM and Bentley Optram software. This system captured the Commuter Rail's engineering infrastructure assets, location registries for a defined set of asset classes, and asset condition reports. The team deployed a cross-discipline work management functionality to support defect management and management of maintenance programs. The approach also included the design and development of management reporting and key performance indicators, as well as the training of end users.

SOLUTION

Stellar provided Analytics and Data Visualization capabilities to the project. A typical use case is the employment of artificial intelligence (AI) to analyze historical delays and use advanced analytics methods to predict future potential delays in the train schedule. The Commuter Rail could then take preventative action to mitigate the delays.

RESULTS

Stellar's work on this project allowed the asset-intensive organization to manage its assets more effectively, and ultimately achieve their strategic goals.

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