Estonian Railways Selects Hexagon to Automate and Digitize Operations

Estonian Railways, a state-owned company responsible for Estonia's railway administration, has selected Hexagon's Geospatial division to implement a transportation system that will automate and digitize the railway's infrastructure maintenance, construction and traffic management processes. The combined asset management system and GIS platform will support the company's more than 700 employees to efficiently manage assets and workflows.

Powered by Hexagon's GeoTrAMS, a web-based system for tram and light-rail infrastructure, and GeoMedia, a flexible GIS management platform, Estonian Railways will be able to visualize assets on a map while integrating with other companies and external systems. Hexagon's state-of-the-art registry will serve multiple information systems and users at the same time, centralizing the use of asset and spatial data while avoiding data duplication and ensuring that users have access to the most up-to-date information.

Digitizing different fragmented data

"As a company, we are in a unique situation of simultaneously implementing Hexagon-specific spatial data modules for rail infrastructure management and Microsoft's ERP for asset management, gathering and digitizing different fragmented data, unifying different workflows and applying new data management principles," said Maia Sokk, innovation manager at Estonian Railways. "Based on our strategic goals for the next four years, we are significantly modernizing our traffic management systems. Implementing Hexagon's technologies is an important link in this ambitious plan."

Prior to selecting Hexagon, Estonian Railways used a fragmented system of disparate software applications to manage assets and infrastructure across its 750 miles of railroad, 129 platforms and 60 stations. With the new solution in place, Estonian Railways will be able to improve operational efficiency and transparency, better control expenses connected to the infrastructure and streamline administrative tasks.

"Estonian Railways is forward-thinking in its use of location intelligence for managing infrastructure and operations," said Mladen Stojic, president of Hexagon's Geospatial division. "We are excited to deliver an integrated solution that will help the railway effectively monitor and maintain its assets while also ensuring successful management of rail traffic, construction projects and services."

Estonian Railways has been responsible for ensuring the smooth operation, management and maintenance of the country's railway infrastructure since 1870.

Learn more about how Hexagon helps organizations close the gap between the geospatial and operational worlds with its transportation solutions.