

## Superior Insights Improve Availability, Safety and Compliance for Rail

### Challenge

Address and improve train availability and safety by correctly computing KPIs, identifying emerging problems, and tracking corrective actions and improvements.

### Solution

A web-based system to track incidents and manage corrective actions.

### Results

Improved performance by identifying and addressing chronic problems as well as providing seamless coordination with suppliers.

Prenscia Solutions partnered with a rail operator client to supply, configure, integrate and implement a Reliability Tracking and Corrective Action Management System. The system offers superior insights into emerging problems and the impact of implemented improvements.



**nCode**

**ReliaSoft**

**OMNICON**

## The Challenge

Failure reduction was not progressing at an acceptable rate. The CMMS system used to record and correct failures could not easily be extended to help. As a result, the client was spending their energy "fighting fires" and formatting data rather than solving problems and finding a way to make systems work better.

An approach was needed to move beyond simple break/fix without completely starting over. They were looking for an approach that could seamlessly blend with the existing CMMS.



## The Solution

Prenscia Solutions delivered a web-based system that interfaces with existing IT infrastructure (CMMS, ERP, etc.) to track incidents and manage corrective actions.

The system allows incidents to be categorized into problems that can then be worked on to develop specific solutions. Business Intelligence tools then track progress and the effectiveness in reducing incident rate.

Reliability analysis tools are integrated within the system to assess incident frequency and severity as well as forecast cost to the organization.

## The Results

A scalable, integrated and automated reliability and failure management process has been established, resulting in proper identification of problems, their prioritization, resolution and impact of corrective actions.

The client can get to the appropriate and meaningful KPIs, focus on critical problems, identify emerging problems, and recommend resolution.

Management can now allocate resources cost effectively for resolving the right problems, and plan future investment.



## About HBM Prenscia Solutions

HBM Prenscia Solutions ensures customer success through value-driven solutions for product and process development, and operational monitoring. We are a multi-disciplinary team with expertise in failure analysis; predictive analytics and modeling for reliability, durability, and deterioration; asset health and usage monitoring; prognostics; development and testing of embedded software and electronics to deliver robust solutions to our global clients. Our team of engineers, analysts, software developers, data scientists, and program managers, many holding United States Government security clearance, are readily available to provide technical expertise and deliver value-driven solutions. For more information, please visit [www.hbmprenscia.com/solutions](http://www.hbmprenscia.com/solutions)