CYIENT

ASSET INTELLIGENCE SOLUTIONS

With over 25 years of in-depth technical expertise, we provide our customers reliable, cost-effective asset intelligence solutions to improve their asset availability while reducing the overall maintenance cost.

CELEBRATING
25
YEARS

Cyient is the global partner of choice for engineering design, manufacturing, and aftermarket support services. But usually the competitive edge of the product redesign falls short of the operational and maintenance-related benefits that Cyient is able to leverage by their advanced data analytics solutions. The combination of both, technical domain competence and advanced data science expertise enables us to deliver industry-specific maintenance solutions for railway manufacturers and train operators alike.

KEY BUSINESS BENEFITS

Identify field failures
Cyient's system health dashboard identifies all critical failures within a few minutes of loading the data into it. It also helps to identify immediate decision-making on maintenance actions.

Save maintenance costs
A combination of predictive and prescriptive maintenance activities helps our customers save maintenance costs up to 30%.

Reduce downtime
Cyient predictive analytics solutions consistently forecast critical failures well in advance to facilitate necessary action to prevent major failures while in operation. Our practical approach for implementing the predictive analytics solutions has been proven in the field for reducing maintenance costs while minimizing the false alerts.

Capabilities

Advanced Analytics / Data Science

- Descriptive & Predictive Analytic Modeling, Simulations, Algorithm development,
- Statistics, econometrics, operations research, unstructured data analytics, semantic analytics

Pattern detection

- Identify hidden patterns using advanced analytics techniques to deliver breakthrough insights
- Machine Learning / Deep Learning

Visual Analytics / Business Intelligence

- Advanced data discovery / Visual analytics modeling
- Architecture, design, development and implementation

Solutions

Predictive Maintenance

- Predictive Maintenance solutions for key rolling stock sub-systems like engines, brake systems, HVAC and door systems
- Intelligent inventory management for spare parts handling

Artificial Intelligence

- Recommendation engine guides the maintenance teams with the most appropriate repair action for a given trouble ticket along with what tools, spare parts and skills needed to execute the job
- Our intelligent scheduling engine guides in sequencing the execution of repair activities resulting into significant reduction in downtime

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