



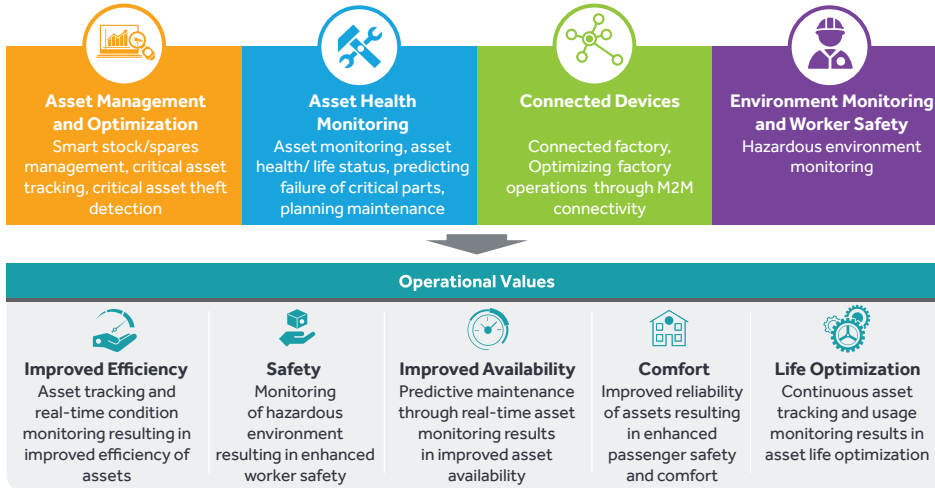
CYIENT

IOT SOLUTION TO BUILD SAFER, SMARTER AND MORE EFFICIENT RAIL OF THE FUTURE

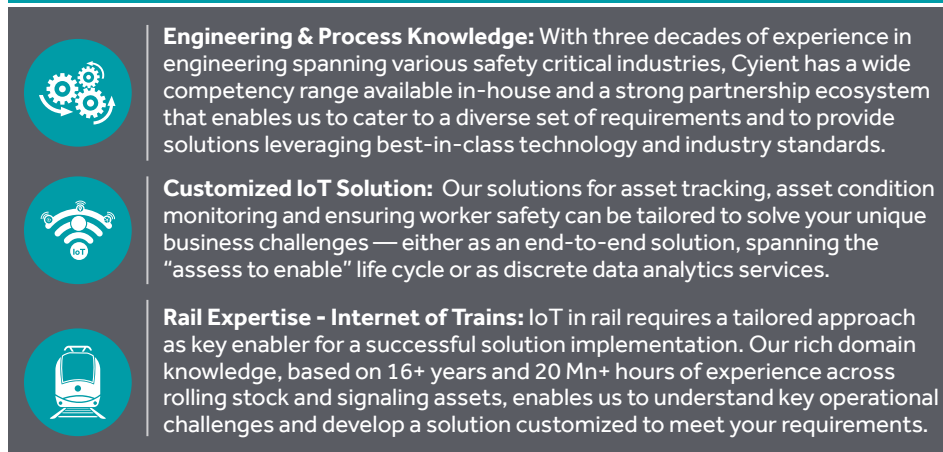
Intelligent, real-time business decisions with our IoT solution optimizing rail asset efficiency and availability while ensuring worker and passenger safety

Leverage the Power of Digitalization to Optimize Performance

Cyient offers a comprehensive, data-driven, safety and operational performance solution that collects relevant information through sensors from physical assets and analyzes the processed data to generate actionable insights and enable intelligence-driven business decisions. This combined with our rail specific Cybersecurity offering allows us to co-secure cyber and physical safety in rail. Our IoT-based solution helps rail OEMs and operators achieve their core objectives along four key themes as shown below.



The Cyient Edge



The End-to-End Value Chain of Our IoT Solution

Our robust, data-driven solution can be applied to rolling stock, signaling and infrastructure assets and spans the complete rail value chain — from requirement identification to data capture, processing and analytics. Our flexible IoT Edge Gateway family is capable of collecting data from multiple sensors, supports multiple RF connectivity options, and can integrate with existing network protocols. Perform edge computing for real-time analytics or aggregate, process and run advanced analytics in the cloud.



As an example, Cyient's comprehensive and proven **Prognostics Health Monitoring** Solution for rolling stock, addresses the eight critical subsystems of a train such as doors, bogies, braking or HVAC. This solution helps predict service affecting failures, compute remaining useful life, and optimize maintenance tasks, helping transition into condition based maintenance.

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