



CYIENT

# CREATING ROBUST COMMUNICATIONS NETWORK FOR DIGITAL RAILWAYS

Helping railway operators create cutting-edge communication data networks enabling efficient transportation solutions.

As global transportation demands continue to grow in volume and complexity, rail operators worldwide face the daunting task of balancing customer comfort, route connectivity, reliability, safety, service flexibility with cost effectiveness—all this while leveraging operational competencies essential to succeeding in the marketplace.

Critical to these efforts are advanced communication networks and digital systems infrastructure, which are playing an increasingly vital role in keeping railway operators competitive against alternative transportation methods.

### Our Solution Offering

For more than 25 years Cyient has been providing best-in-class services, systems, and solutions (S3 strategy ) to the rail industry,

including railway signaling and rolling stock operations. For the communications sector, we provide fixed and mobile networks plan/ design, communication infrastructure life-cycle management, network assets management, workforce management, analytics, and IT service management.

Our “Plan & Design, Build and Operate & Maintain” portfolio of sophisticated communication offerings is a resultant of years in-depth cross-industry experience. Our solutions are transformational and based on established industry best practices.

Leading railway organizations across the globe leverage our transformational solutions modeled on industry best practices to achieve a wide range of objectives—from improved everyday operational efficiencies to fully modernizing their communications infrastructures. Our suite of flexible, customizable S3 offerings includes:



## The Cyient Advantage

### COMPREHENSIVE EXPERIENCE



Our substantial track record in building robust, end-to-end fixed and wireless telecom networks clubbed with our domain experience in geospatial and communications systems, allows us to effectively support major railway infrastructure implementations via a powerful, agile global delivery model.

### HOLISTIC ASSET MANAGEMENT



Our state-of-the-art inventory management solutions provides comprehensive tracking, consolidation, and updating of critical logical and physical infrastructure components.

### STRONG SERVICE ASSURANCE



Our service assurance solutions deliver complete visibility and simplified operations management, resulting in seamless and detailed root cause analysis processes. Combined with actionable dashboards and drill-down reporting, this significantly reduces mean time to repair (MTTR) throughout your project.

### PREDICTIVE MAINTENANCE



Utilizing a broad suite of proactive analytics, our predictive maintenance solutions identify and resolve potential faults and inefficiencies before they happen. This is based on proven forecasting algorithms, efficient data retrieval, and strong analytics in order to ensure maximum infrastructure reliability.

## About Cyient

Cyient (Estd: 1991, NSE: CYIENT) provides engineering, manufacturing, geospatial, networks, and operations management services to global industry leaders. We leverage the power of digital technology and advanced analytics capabilities, along with domain knowledge and technical expertise, to solve complex business problems. As a Design, Build, and Maintain partner, we take solution ownership across the value chain to help our clients focus on their core, innovate, and stay ahead of the curve.

Relationships lie at the heart of how we work. With more than 15,000 employees in 22 countries, we partner with clients to operate as part of their extended team, in ways that best suit their organization's culture and requirements. Our industry focus spans aerospace and defense, medical, telecommunications, rail transportation, semiconductor, utilities, industrial, energy and natural resources.

For more information, please visit [www.cyient.com](http://www.cyient.com)

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