



# CYIENT

## LEVERAGING TECHNOLOGY AND DIGITALIZATION FOR A SAFER AND MORE SECURE RAIL JOURNEY

Rail engineering solutions for enhanced efficiency,  
reliability and safety

Cyient provides transformative global engineering solutions for the rail industry that ensure efficiency, improve reliability and enhance safety across the product and project life cycles in rolling stock, signaling, infrastructure and operations.

Whether designing next-generation trains, or enabling complex signaling upgrades, or building intelligent networks, our experienced engineers are at the core of addressing the industry's challenges and opportunities.

Our deep domain expertise and wide global presence are complimented by our agile and innovation-driven approach to developing intelligent digital rail solutions as part of the rail industry's journey toward Mobility 4.0.

***Designing Tomorrow Together*** — is how we partner with our clients to deliver mobility solutions for today and tomorrow.

**16+**  
years

**1700+**  
engineers

**20 Mn+**  
hours of engineering  
experience

**350+**  
major rail projects

Cyient offers a unique suite of full-scope services and solutions across the **Design – Build – Maintain** phases of rail assets and projects.



## Design

- Mechanical and electrical installation and integration
- Sub-system engineering
- Software and electronics
- Assurance and validation
- Product modularization
- Signaling application engineering
- Communications network planning and design



## Build

- Product localization
- Electronics manufacturing
- Manufacturing engineering
- NPI and industrialization
- Supply chain management
- Inventory management



## Maintain

- Data-driven asset management (IoT)
- Enhanced Reality (AR/VR)
- Image Assisted Inspection
- Technical documentation solutions
- Obsolescence management
- Cybersecurity solutions

**Bid > Design > Manufacture > Integrate > Test > Commission > Operate > Maintain**



We work with clients to provide dynamic and technology-driven solutions in these phases across **rolling stock, signaling, rail infrastructure** and **operations**.



Rolling Stock



Signaling



Rail Infrastructure



Operations



# DESIGNING

## Engineering solutions for enhanced efficiency, reliability and safety

Our rich global expertise across rolling stock, signaling, infrastructure and rail operations ensures enhanced operational efficiencies for our clients around the three key themes of:

- Digitalization
- Safety and Security
- Standardization and Efficiency

## Innovative solutions for a better tomorrow

For more than 16 years, Cyient has been at the forefront of solving complex engineering challenges across the globe to create value for our clients. Some of our recently developed rail solutions leveraging evolving technology trends in the industry include:

- IoT-based solutions to enhance operational performance of assets
- Enhanced reality (virtual/augmented) for optimized operations
- Image Assisted Inspection for enhanced efficiency
- Cycero™ (Cyient Cab Event Response Output), our CE certified next-generation option for a supplementary alarm system in the driver's cab
- Cybersecurity solutions for rail operational technology systems

# TOMORROW

# TOGETHER

## Reliable mobility solutions partner

Given the bespoke nature of the rail projects we have worked on, our approach as partner to our clients' challenges is unique and customized. This agility, combined with our rich domain expertise and zeal for innovation has won us accolades from our clients and industry alike.



IoT Solutions



Enhanced Reality



Image Assisted Inspection



Cycero™



Cybersecurity

Individual solution flyers available upon request.

We are a recognized member of industry associations worldwide, including VDB, RSSB and ARA contributing to the rail industry's continuous journey toward improvement and innovation.

**DIE BAHNINDUSTRIE.**  
VDB VERBAND DER BAHNINDUSTRIE IN DEUTSCHLAND E.V.



**ARA - Australasian  
Railway Association**

## About Cyient

Cyient (Estd: 1991, NSE: CYIENT) is a global engineering and technology solutions company. As a Design, Build, and Maintain partner, for leading organizations worldwide, we take solution ownership across the value chain to help clients focus on their core, innovate, and stay ahead of the curve. We leverage digital technologies, advanced analytics capabilities, and our domain knowledge and technical expertise, to solve complex business problems.

With over 15,000 employees in 20 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 includes aerospace and defense, healthcare, telecommunications, rail transportation, semiconductor, geospatial, industrial, and energy.

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

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