

CYIENT

UNLOCK YOUR DIGITAL POTENTIAL

With our future-ready solutions and enablers





Communication Service Providers (CSPs) need to evolve into Digital Service Providers (DSPs) and provide innovative use cases to new-age subscribers. An agile, scalable, flexible, and programmable network is a prerequisite to achieving this and staying competitive in an increasingly complex landscape.

Cyient leverages next-generation technologies and networks to provide solutions across the “Plan, Build, Operate and Transform” value chain, and enable futuristic CSPs to drive better customer experiences. Our domain expertise and experience of 25+ years in the communications industry, allows us to deliver future-ready solutions and enablers that can accelerate the pace of your digital transformation initiatives.

OUR PRODUCTS, SOLUTIONS, & SERVICES PORTFOLIO



Plan

- Network Plan and Design
- Network Engineering
- Business Process Design
- Data/Systems Migration and Adoption Consulting
- Communications Product Design



Build

- Site Acquisition and Site Make-Ready
- Field Engineering and Commissioning
- Field Crew Manager
- Inventory Management Solutions
- White Labeled Telecom Product Manufacturing



Operate

- Network Performance Analyzer
- Helpdesk Management and Remote DC Operations
- Service Management and Assurance
- Network Analytics & Dashboards
- Tower Operations Center



Transform

- LiDAR Surveys
- Plan and Design Automation
- 5G Plan and Design
- Network Planning and Optimization

- Network Virtualization Adoption (SDN/NFV) and Migration
- IoT Edge Platform
- Smart City Platform
- Small Cell Planning

- Cross-Industry (Rail/Utilities) Communication Solutions
- AR/VR Solutions
- ICT Services for Enterprises

NETWORK PLANNING & OPTIMIZATION SOLUTION

Cyient's Network Planning and Optimization (NPO) solution interconnects all network and business operations of a CSP, allowing complete visibility and control in real time, and ensuring improved quality of services. NPO is a simple application that manages the entire network life cycle—right from initiating tasks to collaborating across multiple teams, to acquiring approvals.

Business Benefits

- Faster network rollouts with the availability of real-time synchronized data
- Single system to track all the project activities, and assets
- Complete visibility and control over the network at a single click
- Cost optimization, by ensuring minimal revenue leakage, and optimum usage of network and resources

Key Features

- Authorization and accessibility
- Business process management
- Network inventory management
- Platform agnostic mobile apps
- Integration with OSS/BSS
- Analytics dashboards, and reporting



NETWORK PERFORMANCE ANALYZER

Cyient's Network Performance Analyzer (NPA) is a handheld drive-test automation tool, with mobile and web support. It records and pushes network information to the server for all required RF network quality measurements. The application is based on open source and works in an AUTO mode to collect/record network quality information and send the data in real-time to the server.

Business Benefits

- Record and decrypt real-time messages from disparate radio bands
- Deploy on Android devices for cost-effective network assessment
- Significantly improve your customers' experiences, and in turn, your Net Promoter Score
- Generate instant network audit reports

Key Features

- Open Source and 3GPP compliant
- Modules for capturing Carrier Aggregation/MIMO/VoLTE technologies KPIs on a handheld device
- Real-time decoding and providing filtered information for specific network KPIs



TOWER OPERATIONS CENTER

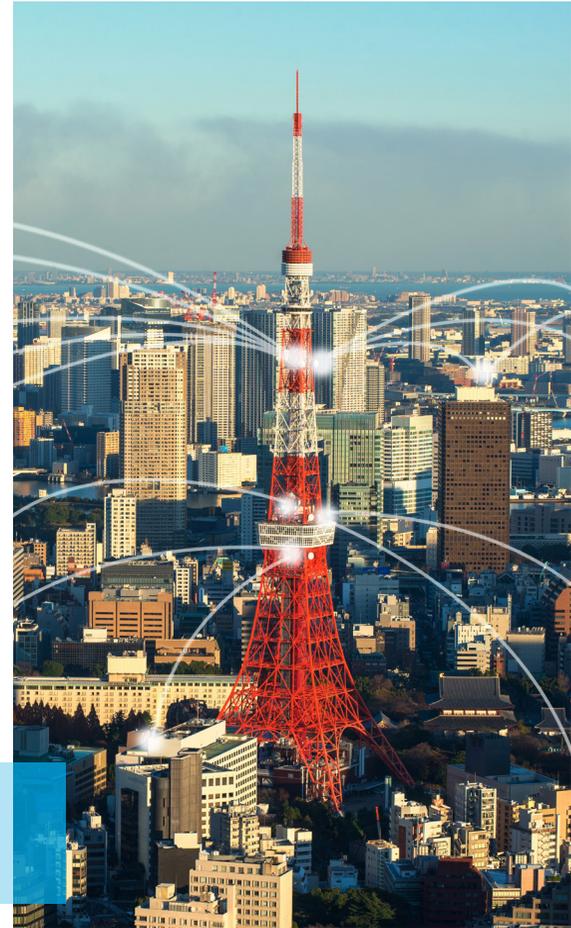
Cyient's Tower Operations Center (TOC) is a next-generation IoT and analytics-enabled solution, geared for comprehensive tower management and monitoring of your passive assets, including property details and contracts, and proactive and preventive maintenance to achieve stricter SLAs.

Business Benefits

- Reduce operational expenditure by as much as 40% by optimizing energy consumption
- Improve uptime by up to 97% by efficient asset management and maintenance
- Resolve issues in real time to ensure continuity of services
- Leverage actionable insights to resolve issues

Key Features

- Real-time monitoring, surveillance, and reporting
- Energy and power source management
- Asset management
- SLA management
- Service desk portal integration



3D PLATFORM FOR SMART CITIES

Cyient's cloud-based 3D Platform is a one-stop solution for smart cities that uses geospatial intelligence to facilitate urban planning, environmental monitoring, mobility, e-governance, and surveillance. The platform integrates seamlessly with other enterprise applications to provide near real-world visualization, and simulation of data, enabling smart and informed decision-making.

Business Benefits

- Collect, manage, analyze, and visualize spatial information
- Make informed, data-driven site selection and infrastructure planning decisions
- Improved cost and time efficiencies, as well as asset and personnel performance

Key Features

- 3D visualization and analysis of GIS data, on the cloud, with special use cases for mobility, IoT, and city surveillance
- Open architecture to integrate with any enterprise system
- More configuration, less customization
- Spatial data solutions (aerial, UAV, and satellite data)



AUGMENTED AND VIRTUAL REALITY SOLUTIONS

Leveraging augmented reality and virtual reality technologies to process real-time data, and simulate real-life experiences in detail, Cyient's AR and VR solutions span the entire business life cycle—from technology consulting to application development.

Business Benefits

- Address real-world operating challenges through simulation
- Conduct complex training, remote inspection, and audits
- Collaborate on engineering design prototyping, design layout, and simulation

Key Features

- Modular application development platform
- Compatible with multiple operating systems and devices
- Enterprise-quality, feature-rich 3D content



IoT EDGE GATEWAYS

Cyient's IoT gateways ensure efficient management and control of an increasingly complex IoT environment. Our IoT Edge Gateways are capable of connecting with multiple analog and digital field sensors. These advanced gateways are equipped with multiple RF options for moving data to the cloud.

Business Benefits

- Easy integration with all your enterprise systems
- On-demand, 24*7, real-time insights into all your assets
- Increased operational efficiency leading to improved productivity
- Optimal maintenance and reduced downtime ensures cost saving

Key Features

- Highly modular and configurable devices with plug and play hardware and configurable firmware
- Combination of multiple RF options (Wi-Fi, Bluetooth, LoRa, SigFox, Nb-IOT, GPS/GPRS) onboard
- Can connect to other IoT edge devices and/or sensors through a wired or wireless medium
- Can connect to the network via CAN-BUS or Ethernet cables
- High-end processor modules for industrial and graphic applications
- Power module with battery back-up for critical applications



BROADBAND WIRELESS TERMINAL

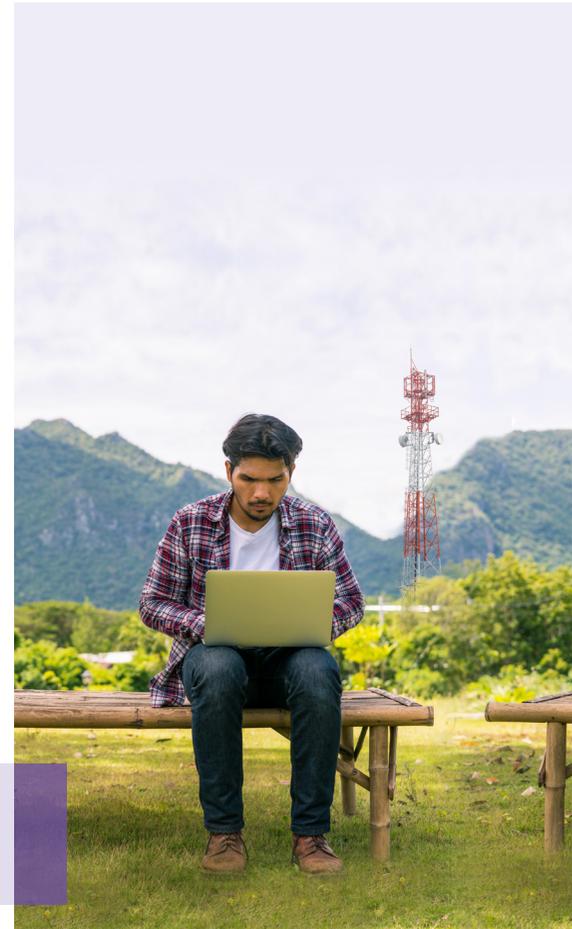
Cyient's Broadband Wireless Terminal allows service providers to extend branded broadband services to areas where fixed line access is limited, offload data traffic from congested 3G/4G networks, and deploy multimedia hotspots. The solution supports IEEE 802.11 a/b/g/n/AC standards and includes an integrated patch antenna that is designed to operate in harsh outdoor conditions.

Business Benefits

- Faster roll-out
- Wider reach of service to remote and widespread population
- Power supply redundancy, green solution (less than 15-Watt power)

Key Features

- Supports three independently configured radios per unit for three-sector operation
- Operating range: 0 to 20 km depending on the type of antenna used
- Backbone connectivity through optical/Ethernet interface
- Outdoor unit complies with IP65/IP67 standards
- Operates in 2.4GHz and 5.8Ghz license-free spectrum bands
- Can be deployed in different scenarios - point-to-point, point-to-multipoint, MESH, and as an outdoor hotspot



GIGABIT PASSIVE OPTICAL NETWORK (GPON) TERMINALS

Cyient's GPON technology products offer an excellent mix of quad-play services (voice, data, video, and Wi-Fi). The Element Management System (EMS)/Local Craft Terminal (LCT) from C-DOT compliments the GPON solution with the ease of provisioning, monitoring, and management of the complete network and its elements. It delivers a downstream data rate of 2.5 Gbps, and an upstream data rate of 1.25 Gbps, on a single fiber over a distance of up to 60 km.

Business Benefits

- Enables cost-effective migration to Optical Broadband Domain
- Easy deployment and management resulting in enhanced operational efficiency
- One solution that caters to both thinly & heavily-populated regions

Key Features

- Rugged products that withstand severe environmental conditions
- Compatible with any Network Management System (NMS)/EMS
- In-house manufacturing and commissioning support
- Operates in both AC and DC environments
- Dying Gasp feature with alert sensors
- User-friendly operations through self-explanatory GUI



5G SOLUTIONS AND SERVICES

Cyient makes an ideal partner for 5G rollouts, given its domain knowledge and years of experience in designing, delivering, deploying, migrating, and supporting network infrastructures. We offer solutions to enable CSPs throughout their 5G migration roadmap – network planning and rollout, developing solutions and services for running post-deployment operations, and finally defining the framework for developing various use cases and applications for monetization of the network.

Business Benefits

- Seamlessly migrate from existing generations to 5G
- Develop new age use cases to help you leverage the true potential of 5G
- Quicker time-to-market for services
- Support in identification and acquisition of critical sites for 5G network setup
- Faster and timely upgrades and network enhancements

Key Features

- 5G passive infra-engineering and enhanced DBOR services
- Multiple Input Output (MiMO) and mmWave commissioning and installation services
- Rural 5G-based use cases to help address new markets
- Specialized tools for performance testing, load testing, benchmarking services, and coverage analysis
- Insights-based capacity and frequency planning



LiDAR SURVEYS

Cyient's Light Detection and Ranging (LiDAR) services empower you to take business decisions backed by enhanced analysis, intelligence, and visualization. We support in the identification and classification of natural features and manmade assets, leading to the creation of high-resolution DEMs and city views for operational insights. Our world-class LiDAR services will allow you to access precise databases with the help of 3D building models and 3D city maps.

Business Benefits

- Better decision-making with detailed and precise information
- Improved productivity and cost efficiencies

Key Features

- Processed over 30,000 sq. km of LiDAR data
- High-quality output with 10cm accuracy
- Synchronized LiDAR point clouds and imagery help in deriving enhanced LiDAR products
- Ability to process point clouds from 0.6 points/square meter to 2 points/square meter for aerial LiDAR, and up to 2,500 points/square meter for mobile LiDAR



CROSS DOMAIN NETWORK SERVICES

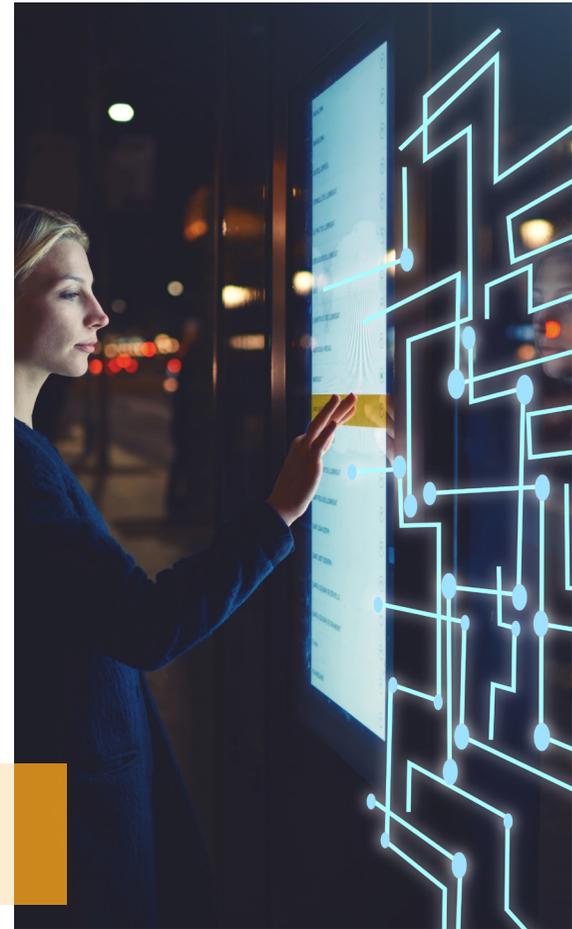
We leverage our solutions across the Plan, Build, Operate, and Transform value chain to support rail and utility companies in the smooth migration from their legacy to next-generation networks for improved reliability and operational efficiency. We provide a range of services, including asset management, designing DWDM network and IP overlay, and FCAPS integration, for effective infrastructure management and maintenance.

Business Benefits

- High availability and increased reliability
- Simplified management and maintenance of the infrastructure
- Integrated data and communication networks across various sub-systems

Key Features

- Effective capacity analysis and planning
- Designing and optimization services to ensure ease of operations
- Installation, commissioning, and testing services
- Simple to operate and maintain



ICT SERVICES FOR ENTERPRISE

Cyient leverages its rich experience and field-proven expertise to provide you the best-in-class ICT services, including migration plan, configuration, and installation of new network assets, and integration of NMS/EMS. We also help in the unification of the network infrastructure, allowing you to use the latest technology concepts like Software Defined Networking (SDN) and Network Functions Virtualization (NFV), for business growth.

Business Benefits

- A highly reliable, agile, and stable network ensures better quality services and enhanced customer experiences
- Easy to launch newer and innovative services leading to increased revenue

Key Features

- Consultancy services, network, and system assessment, planning, and design
- Site and network audits
- Appliance configuration, commissioning, and integration
- Quality support and maintenance



OUR FOOTPRINT

**OPERATING FROM
55 LOCATIONS, WITH 15,000+
ASSOCIATES ACROSS
20 COUNTRIES, WE ENSURE
GLOBAL DELIVERY TO OUR
300+ CLIENTS**



PEORIA



LONDON



MYSORE



HYDERABAD



SINGAPORE



SYDNEY

OUR CULTURE



Driving Innovation

As markets and technologies evolve rapidly, focus on innovation and the pursuit of excellence is critical to the enterprise growth strategy.

To maintain its competitive edge, Cyient's New Business Accelerator (NBA) operates as an internal incubator to execute initiatives for the development of new industrial solutions in an environment that is commensurate with the spirit of co-innovation with clients.



Promoting Diversity

Cyient is committed to building an organization that is truly diverse and inclusive and has a special focus on areas such as gender, ethnicity, disability, and veterans.

We believe that only by making our organization diverse and inclusive, can we achieve our brand promise of Designing Tomorrow Together



Investing in Our Associates

Our Business Leader and Emerging Leader Programs help us develop a strong leadership pipeline to fulfill over 70% of those roles internally.

We continuously conduct customized training programs and workshops to help develop associates capabilities, skills, and competencies

ONE CYIENT



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.

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