

## AI-Driven Network Testing Solutions

The need to maximize revenue and enhance customer experience is placing increasing pressure on communications service providers (CSPs), struggling to differentiate their offerings in a competitive marketplace. Regular network testing can help businesses improve their overall network performance, increase uptime, and improve security, while also saving costs and meeting compliance requirements.

Cyient offers a comprehensive portfolio of services that help businesses transition from legacy to next-gen networks seamlessly. Our services enable CSPs to plan, design, and manage both fixed-line and mobile networks efficiently. While providing NaaS (Network as a Service) to our Enterprise customers which consists of Plan, Build and Manage phases, we focus on enhancing network testing capabilities, redefining how networks are deployed and managed.

### Capabilities



## Industry Use Cases

Since the enterprise network spans multiple locations, we provide the solutions based on the customer's requirements, secure the network, cloudify the application and help manage the OT devices from a centralized location providing 24x7 support

AUTOMOTIVE & MOBILITY	MANUFACTURING	HEALTHCARE
<ul style="list-style-type: none"> <li>AI-enabled ride hailing service</li> <li>Smart taxi and CV2X connectivity for assistance</li> <li>Assisted driving (intelligent speed adaptation, smart lights/road blocking, highway chauffeur)</li> <li>Deliver high definition video to the car, for entertainment and education on the move</li> <li>Stream cloud-based games, supporting live interactions with other players in real-time</li> <li>Enable web browsing and wi-fi in the vehicle, to bring full power of the internet to the passenger seat (mass transit)</li> <li>Smart cabins</li> <li>Internet on Demand</li> </ul>	<ul style="list-style-type: none"> <li>Remote assistance (baseline DTT, AR instructional overlay)</li> <li>Computer-vision-based quality control, anomaly detection</li> <li>Training in VR</li> <li>Remote training with instructional overlay in AR</li> <li>Smart signal monitoring</li> <li>Autonomous intra-logistics</li> <li>Remote control and remote operations using AR/VR</li> <li>Remote critical process control (remote SCADA)</li> <li>Enhanced safety</li> <li>Supply chain monitoring – real-time asset tracking</li> <li>Real-time queue information</li> <li>Asset condition monitoring</li> <li>Digital twin</li> </ul>	<ul style="list-style-type: none"> <li>Mobile clinic (connected ambulance)</li> <li>Real-time queue information</li> <li>Real-time tele-transmission of ultrasound for remote consultation and guidance</li> <li>Robotic surgery (augmented surgery)</li> <li>Remote patient care</li> <li>Inventory tracking, staff and patient tracking</li> <li>Pharmacy management</li> </ul>
ENERGY & UTILITY	SMART CITIES	ENTERTAINMENT
<ul style="list-style-type: none"> <li>Smart mining: Remote operations</li> <li>AR/VR for smart equipment operations and remote support</li> <li>Surveillance drones in rescue missions can use 4K video to help find people</li> <li>Enables a higher density of connected devices for greater efficiency</li> <li>For precision operations, 5G supports for low latency required for haptic feedback</li> <li>Smart meters: resource utilization and management</li> </ul>	<ul style="list-style-type: none"> <li>AI-surveillance systems</li> <li>Pandemic control</li> <li>Real-time tracking of public transport</li> <li>Bus fleet management</li> <li>Single transport pass and Single service center</li> <li>Real-time crowd and transportation management</li> <li>Public transport infotainment</li> <li>Smart billboard and signs</li> <li>Urban cross-traffic</li> <li>Intelligent traffic system and road traffic management</li> <li>Smart packaging using GPS data from driver phones</li> <li>Waste management</li> </ul>	<ul style="list-style-type: none"> <li>Immersive experience (360 degree video, VR)</li> <li>5G live betting</li> <li>Smart ticketing platform</li> <li>Special events participants data monetization</li> <li>AR-enabled smart ticketing</li> <li>Real-time accommodation dashboard</li> <li>VR based training</li> </ul>

## The Cyient Edge

With 30 years of experience in designing, building and managing networks, Cyient focuses on providing high-quality network and application rollout.

- End to end enterprise network rollout service covering Plan & Design, Build & deploy, Test & Migrate and 24x7 support service for network, processes and applications including centralized dashboard, cloudification and securing of the applications and data.
- Cost optimization through best-in-call network design and optimum usage of network and resources.
- Based on the requirements, we provide NoC/SoC services and 24x7 support and custom build application and process training.

Cyient (Estd: 1991, NSE: CYIENT) is a global engineering and technology solutions company. As a design, build, operate & maintain partner for leading organizations worldwide, we take solution ownership across the value chain and leverage the power of digital technologies and advanced analytics, along with domain knowledge and technical expertise, to solve complex business problems. With more than 15,000 employees in 20 countries, our industry focus includes aerospace and defense, medical, telecommunications, rail transportation, semiconductor, industrial, and energy.

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