CONNECTED PREDICTIVE SUSTAINABLE

Cyient's smart city solutions align with Germany's MPSC vision to build resilient and citizen-focused urban futures.



Shaping Resilient and Citizen-First Cities

By 2050, seven in ten people will live in cities. In Germany and across Europe, urban growth is colliding with climate goals and citizen expectations. Cities face fragmented systems, rising congestion and emissions, costly manual surveys, weak land-use enforcement, and mounting pressure to decarbonize.

The effects: higher costs, slower decisions, and frustrated citizens who demand speed, transparency, and sustainability.

Our Capabilities: How We Deliver

Cyient unites geospatial intelligence, digital platforms, and AI/ML into a connected spectrum of capabilities.



Geospatial Intelligence

Proven expertise in mapping, spatial data management, and 3D modeling.



Spatial Digital Twins (4D)

Immersive replicas of cities, integrating IoT, GIS, and sensors for predictive planning.



AI/ML Analytics

Predictive insights for road health, urban expansion, and resilience.



Citizen-First ICT Platforms

Seamless governance and citizen engagement through digital portals.



Lifecycle Expertise

From design—build—maintain, enabling long-term sustainability.

Our Service Offerings: What We Deliver

City Governance

Tax/property systems, permits, approvals, and digital dashboards.

City Mobility

Fleet optimization, predictive traffic planning, and Road Health Analytics.

City Planning & Infrastructure

3D simulations of buildings, utilities, vegetation, and zoning.

City Surveillance & Safety

Video analytics, smart command centers, and 24/7 monitoring.

Environmental Monitoring

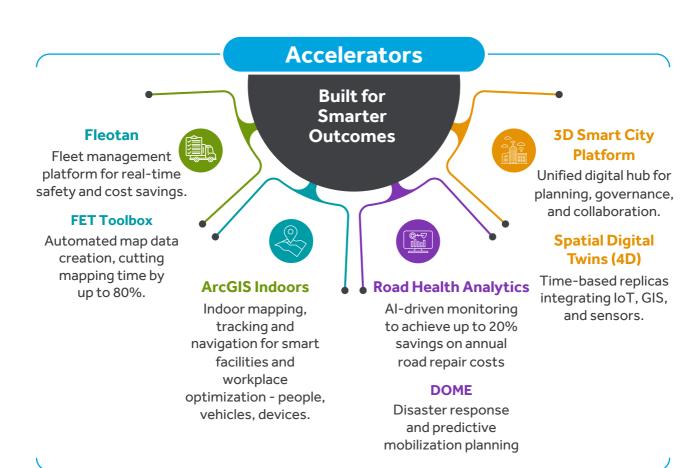
IoT-driven tracking of air, noise, water, and vegetation.

Energy & Sustainability

Solar planners, DER monitoring, and renewable integration.

Disaster & Emergency Management

Flood modeling, rainfall/sea-level simulations, predictive mobilization.



Proven Use Cases

Urban Management

- Warangal, India: Multi-agency 3D Smart City Platform improving planning and heritage management.
- Sejong, South Korea: IoT-enabled air quality and occupancy monitoring with 3D Smart City Platform.

Disaster & Resilience

- St. Louis, USA: Flood modeling and inundation mapping for emergency management.
- DOME: Proactive disaster management that reduces mobilization costs and restores services faster.

Infrastructure & Environment

- Urban Expansion Monitoring: Automated detection of new buildings, roads, and zoning shifts.
- Illegal Construction Detection: Al-enabled encroachment monitoring with evidence-based reporting.

- Seasonal & Yearly Change Detection: Vegetation, water body, and land-use trends visualized through dashboards.
- Decarbonization Tracking: Tree canopy and biomass monitoring to quantify carbon sequestration.

Mobility & Safety

- Road Health Analytics: Predictive maintenance with 20% lower repair costs and fewer accidents.
- Fleotan: Smart fleet management with real-time driver safety alerts.

Energy & Sustainability

- **Solar Planners:** Optimization of rooftop and community solar adoption.
- Data Aggregation with TomTom: Forecasting, DER monitoring, and grid optimization.

Indoor Smart Spaces

 ArcGIS Indoors: Indoor navigation and facility management for smart campuses and urban assets.

Why Cyient Smart Cities: Proof That Speaks

20% Savings

in road repair spend with Road Health Analytics

Real-time IoT monitoring

for air quality, water, and green cover.

5-10% **SLA** cost enforcement

with automated monitorina.

Data aggregation

enabling energy forecasting, voltage profiling, and renewable integration.

6^x Faster mapping

(126 sq. km mapped in 6 hrs vs 40 hrs manually with FET Toolbox).

Global success stories

in India, USA, South Korea, and Europe, now aligned with Germany's Smart Cities vision.

Strategic Alignment with Germany

Germany is advancing its Model Projects Smart Cities (MPSC) program under BMWSB, supported by the Coordination and Transfer Centre (KTS) and BBSR research. Cyient aligns with this agenda through:



Citizen-first services

Engaging communities through digital governance.



Collaboration-first approach

Partnering with governments, businesses, and research.



Sustainability focus

Enabling decarbonization tracking and green cover monitoring.



Scalability

From pilot projects to national rollouts, supported by global expertise.

With Cyient, German cities can connect, predict, and adapt, building smarter, safer, and more sustainable futures.

cvient.com

Cyient (Estd: 1991, NSE: CYIENT) delivers intelligent engineering solutions across products, plants, and networks for over 300 global customers, including 30% of the top 100 global innovators. As a company, Cyient is committed to designing a culturally inclusive, socially responsible, and environmentally sustainable tomorrow together with our stakeholders.

North America Headquarters

Asia Pacific Headquarters

Global Headquarters

USA

Australia T: +61 4 7026 3817 Hyderabad T: +91 40 6764 1000

#DesigningTomorrowTogether

T: +1 860 528 5430



Europe, Middle East, and

Africa Headquarters

T: +44 118 3043720

f facebook.com/cyient acyientnews in linkedin.com/company/cyient

© Cyient 2025. All rights reserved.