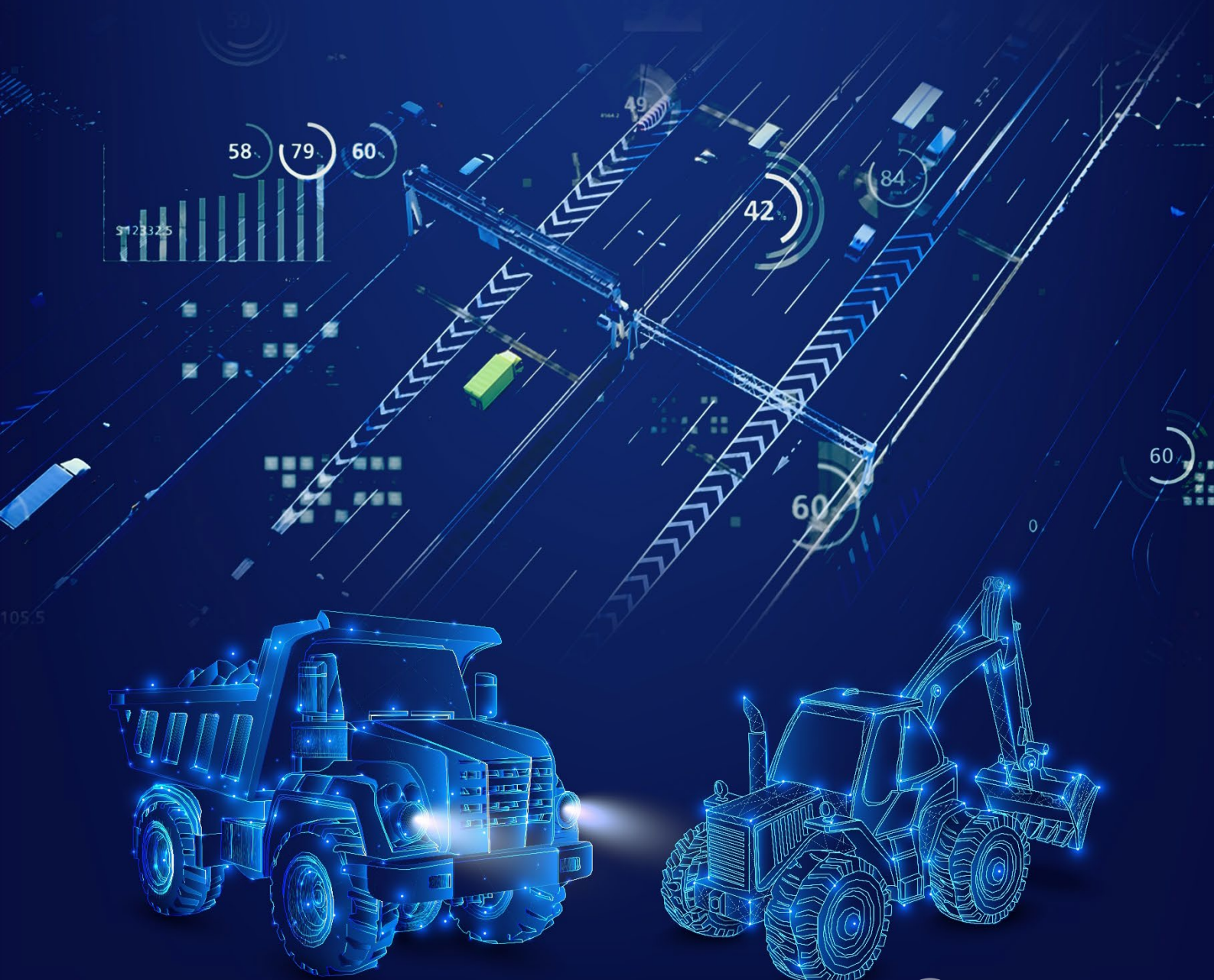


CYIENT

# POWERING THE FUTURE OF AUTONOMOUS & SUSTAINABLE MOBILITY



Leveraging decades of expertise in core engineering coupled with advanced technologies such as Gen AI, Cloud, and 5G, we are delivering intelligent engineering solutions to enable our customers implement smarter operations, develop autonomous products and platforms, and build sustainable energy solutions.



## Platform Engineering

- Platformization Services
- Software Defined Vehicle
- Digital Cockpit
- AI-enabled Customer Experience
- Adaptive AUTOSAR



## Autonomous Mobility

- Perception Systems
- Enabling the ADAS Journey
- Safety and Cybersecurity



## Electrification

- Wireline and Wireless Battery Management System
- Motor Prognostics
- Charging System



## Digital Engineering & Industry 4.0 Solutions

- Product Lifecycle Management
- Cloud-Native Microservices
- Manufacturing Operation & Industrial Automation
- Connected Factory & Industry 4.0 Transformation
- Data & Analytics



## Our Functional Domain Expertise



### Vehicle Engineering

- Components and systems Design
- Mechanical, Electrical and Hydraulics design
- Analysis and Simulation
- Manufacturing Engineering
- VAVE & Benchmarking
- Technical Publications



### Chip/Sensor Design & Production

- Turnkey Custom ASIC Services
- Analog, Digital, RF and Mixed-Signal IC Design
- Single Semicon services
- RTL to GDSII to ASIC supply



### Embedded Engineering & Security

- Systems engineering – EE Architecture
- Embedded S/w dev MBD, AUTOSAR
- Electronics Design and SI - Safety Critical design ISO-26262,
- Power Electronics
- Cybersecurity – security vulnerability analysis



### Test Factory / Verification & Validation

- Device/sensor (UE) testing and onboarding
- Process/design tool validation
- V&V & test automation
- Product V&V
- Hardware V&V
- Software V&V
- Documentation



### Private Networks & Connectivity

- Monetization Use Cases - ROI/Consulting
- 24x7x365 Managed NOC/SOC
- OSS Tools/Service Assurance
- Large Area IOT Network Setup
- Private Networks – Design and Implementation
- Device/Sensor (UE) Testing and Onboarding



### Digital Technology & Platforms

- Product Lifecycle Management
- AI/ML
- Cloud & data platform engineering
- Manufacturing operations management
- Application development and UI/UX
- Geospatial data

## Impact We Have Delivered



### Redefining Safety through Autonomous Driving & Operations

Our perception system enhances safety and efficiency in autonomous vehicles through advanced sensor fusion algorithms and machine learning.



### Accelerating Development of Software-defined Vehicles

Our Software-defined Platform enhances flexibility and accelerates the development of software-defined vehicle concepts, including digital cockpit, middleware, and HMI infotainment.



### Powering Sustainability through Innovative Battery Management Solutions

Our advanced Battery Management System (BMS) enhances efficiency through optimization of the performance of battery systems and reduction in PCBA costs by 25%.



### Revolutionizing Automotive Intelligence: The Data Lake Design Platform

By seamlessly integrating with mining sites, we delivered a robust solution for automating data ingestion, processing, and storage.

## Accelerating Innovation through Platforms & Solutions

Software Defined Vehicle	Autonomous / Perception System	Digital Thread
Platform X	Cybersecurity solutions	AI/ML Solutions
Connected Vehicle Platform & Applications	EV Motor Prognostics and Battery SOC & SOH	Industry 4.0 Solutions

## Co-innovating with our Partners



## CoEs, Labs & Innovation Hubs

### Technology Centric CoEs



Over 35 Innovation Studios and Centers of Excellence, equipped with Azure OpenAI Service and Generative AI technologies to drive engineering innovation across industries.

### Power Electronics Lab



A 6000 sq.ft. lab equipped for developing power products up to 22.5 kVA, including DC-DC converters, inverters, power distribution boxes, actuation, and battery management

### RF & Communication Lab



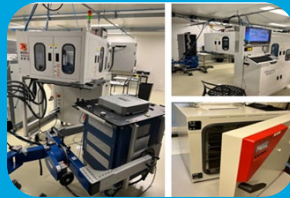
A 6000 sq.ft. lab with calibrated test equipment and simulation tools for developing navigation, radar, and communication systems up to 26.5 GHz

### Digital Lab



A 3000 sq.ft. lab equipped with tools and simulators for developing high-speed boards (analog, digital, mixed, RF), FPGA, processors, and LRU level test setups

### Testing Lab



Production test development with NI STS tester, Advantest V9300k 1600, MSL3 baking, semi-automatic tape & reel, handler, laser marking, semi-automatic bonder, PCB pick & place, and oven

### Firmware Development and Validation Lab



Pre- and post-silicon validation, developing platform software BSP, drivers, diagnostic tools, and embedded applications including boot loaders and RTOS

## Awards & Recognitions

### Enrico Apex Award

*Celebrating our pivotal role in expanding BGSW's global influence through strategic excellence*



### Award for Excellence

*Highest supplier rating for delivering superior product/service quality*



### Leader in Automotive Engineering



### Global Automotive Engineering Services Enabling Technology Leadership Award



### Major Contender in Autonomous, Connected, Electric, Shared Mobility



## About Cyient

Cyient (Estd: 1991, NSE: CYIENT) partners with over 300 customers, including 40% of the top 100 global innovators of 2023, to deliver intelligent engineering and technology solutions for creating a digital, autonomous, and sustainable future. As a company, Cyient is committed to designing a culturally inclusive, socially responsible, and environmentally sustainable Tomorrow Together with our stakeholders.

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



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