JOIN™

Network-as-a-Service with Scene Intelligence for Automotive

Optimizing Facility Operations and Fleet Management Through Data-Driven Vehicle and Space Utilization

Join Network-as-a-Service (NaaS) with integrated scene intelligence delivers fully connected and data-driven automotive and industrial environments. Our platform brings comprehensive space and vehicle utilization insights and turnkey cloud-managed network, connectivity, and sensor infrastructure.

MODERNIZED NETWORK AND SENSOR INFRASTRUCTURE IN A UNIFIED SOLUTION

Fully Managed Network and Connectivity Platform

Join NaaS is a seamless, secure, and resilient cloud-managed networking platform, flexible and scalable across facilities.

Our network infrastructure is custom configured for each facility and fully deployed with connectivity, hardware and software. Every aspect of the network lifecycle is centrally managed, including automations, monitoring, maintenance and advanced support.

NETWORK-AS-A-SERVICE

Comprehensive Sensor Coverage and Data Collection

Join NaaS is designed to maximize compatiblity with most sensor and networking technologies. We integrate any combination of IoT sensors, such as IR, RFID, proximity, computer vision, ultrasonic, and more.

The Join xDE Data Engine, ingests, normalizes, and transforms assorted data from all connected network and sensor sources into a single, cloud-based data warehouse.

SENSOR + DATA NETWORK

AI-driven Analytics with API and Backend Integrations

Our AI-driven analytics platform delivers actionable insights to help facilities managers see a complete picture of vehicle and facilities utilization, like capacity planning and space optimization for any defined spaces and time ranges.

With backend integration and API support, we send data to customer-controlled data warehouses, mapped to customized data models and requirements.

SCENE INTELLIGENCE

SOLUTION OUTCOMES

PROTOTYPING, VALIDATION AND TUNING —

Deploys NaaS and sensors at a subset of target zones or facilities to validate and finetune the solution, ensuring facilities managers receives accurate data and a complete picture of facilities utilization.

FACILITIES AND PARKING UTILIZATION —

Empowers facilities managers with advanced monitoring tools to see a full picture of space utilization during any time period throughout staging/loading, service areas, inspection areas, or in-service parking. We enable customers to accurately project space requirements, reduce facilities costs, and optimize zone sizing and capacity planning.

Total Vehicle Count, Parked

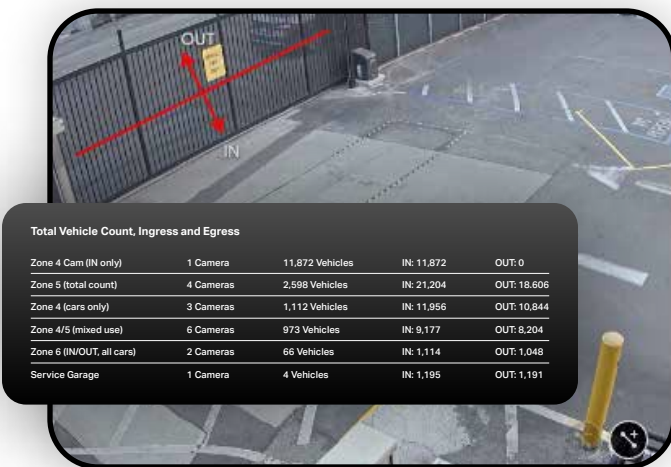|		
Zone 4 (total count)	3 Cameras	11 Vehicles
Zone 5 (total count)	4 Cameras	0 Vehicles

SHORTEN TIME TO MARKET AND EXPANSION —

Templatizes facilities and zone procurement and design to streamline coordination and planning, enabling efficient equipment sourcing and reducing implementation times. Drive more accurate deals, expansions and franchising, easily tracking number of days required to service customers from new facilities across new cities and regions.

FLEET ORCHESTRATION —

Enables tracking vehicle dwell time to optimize processes and more efficiently orchestrate the fleet to maximize the amount of time a vehicle spends driving passengers or cargo and delivering better utilization revenue.

Total Vehicle Count, Ingress and Egress

Zone 4 Cam (IN only)	1 Camera	11,872 Vehicles	IN: 11,872	OUT: 0
Zone 5 (total count)	4 Cameras	2,598 Vehicles	IN: 21,204	OUT: 18.606
Zone 4 (cars only)	3 Cameras	1,112 Vehicles	IN: 11,956	OUT: 10,844
Zone 4/5 (mixed use)	6 Cameras	973 Vehicles	IN: 9,177	OUT: 8,204
Zone 6 (IN/OUT, all cars)	2 Cameras	66 Vehicles	IN: 1,114	OUT: 1,048
Service Garage	1 Camera	4 Vehicles	IN: 1,195	OUT: 1,191

HOW SCENE INTELLIGENCE WORKS

The Join platform segments facilities into purpose-driven areas divided into zones that interconnect the sensor and network environment, collecting actionable analytics across every facility, space, vehicle, and industrial area

SENSOR COVERAGE OF FACILITIES AND ZONES —

Monitored facilities and zones are organized into fenced areas so data is collected and activity monitored inside and outside of all covered zones. Coverage is designed to track ingress and egress areas for each monitored zone, including numbers of parked vehicles in any custom time intervals.

ACTIONABLE INSIGHTS WITH DATA INTEGRATIONS —

Make data-driven space and vehicle utilization decisions, such as tracking idle and high-utilization vehicles, and planning and templatizing new facilities based on current and projected utilization. Join also offers backend integrations to send data to the customer's data warehouse.

TYPES OF COVERAGE AREAS —

TRANSPORTATION ZONES

- ✓ Staging and Loading
- ✓ Service Areas
- ✓ Employee Parking
- ✓ Cleaning Areas
- ✓ Charging and Refueling
- ✓ Inspection Areas
- ✓ In-Service Parking

OTHER FACILITIES

- ✓ Lobbies
- ✓ Private Offices
- ✓ Conference Rooms
- ✓ Open Workspaces
- ✓ Facilities Management

ALL-INCLUSIVE, MANAGED NETWORK-AS-A-SERVICE

Say goodbye to flying network engineers across sites, managing end-of-life hardware and line cards, and timing licensing, upgrades, or equipment replacements.

True As-a-Service Model. Eliminates all outside costs and tasks to manage and operate the network and sensor infrastructure.

Centralized Cloud NOC. Centralized cloud-managed network operations to operate every networked facility and environment.

Resilient and Supported. Includes automated monitoring and remediation, failover protections, and a dedicated networking team.

Visit **joindigital.com/walkthrough** **to shedule a walkthrough of the Join NaaS platform**

Or, email **sales@joindigital.com**