Digital Roads
System of systems for intelligent transport

— Connected Urban Transport

ERICSSON

Creating Digital Roads...

Automate

Cooperative
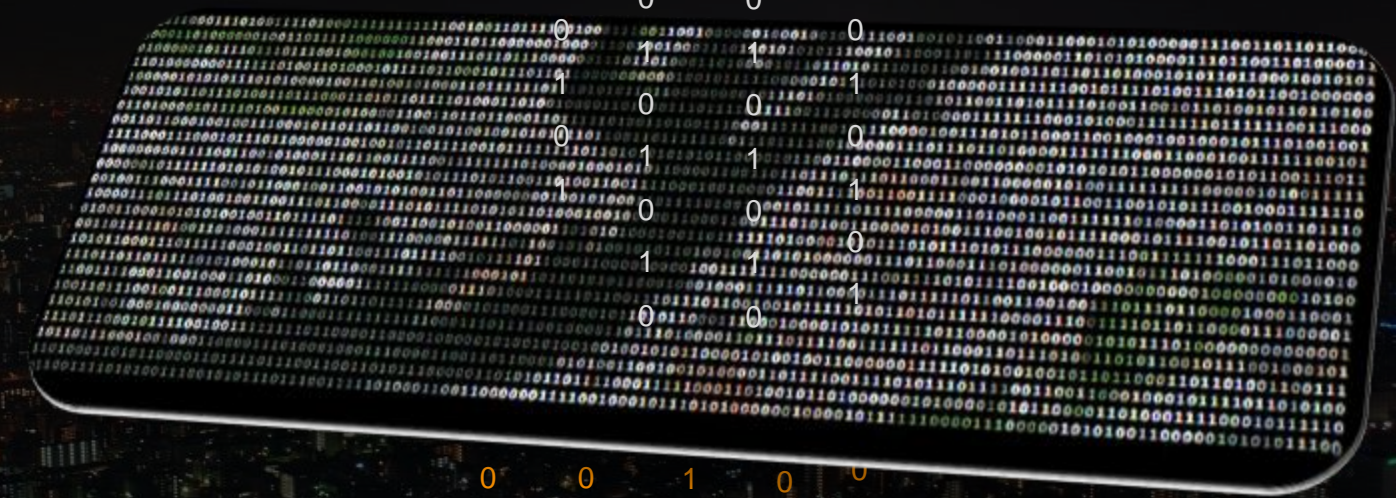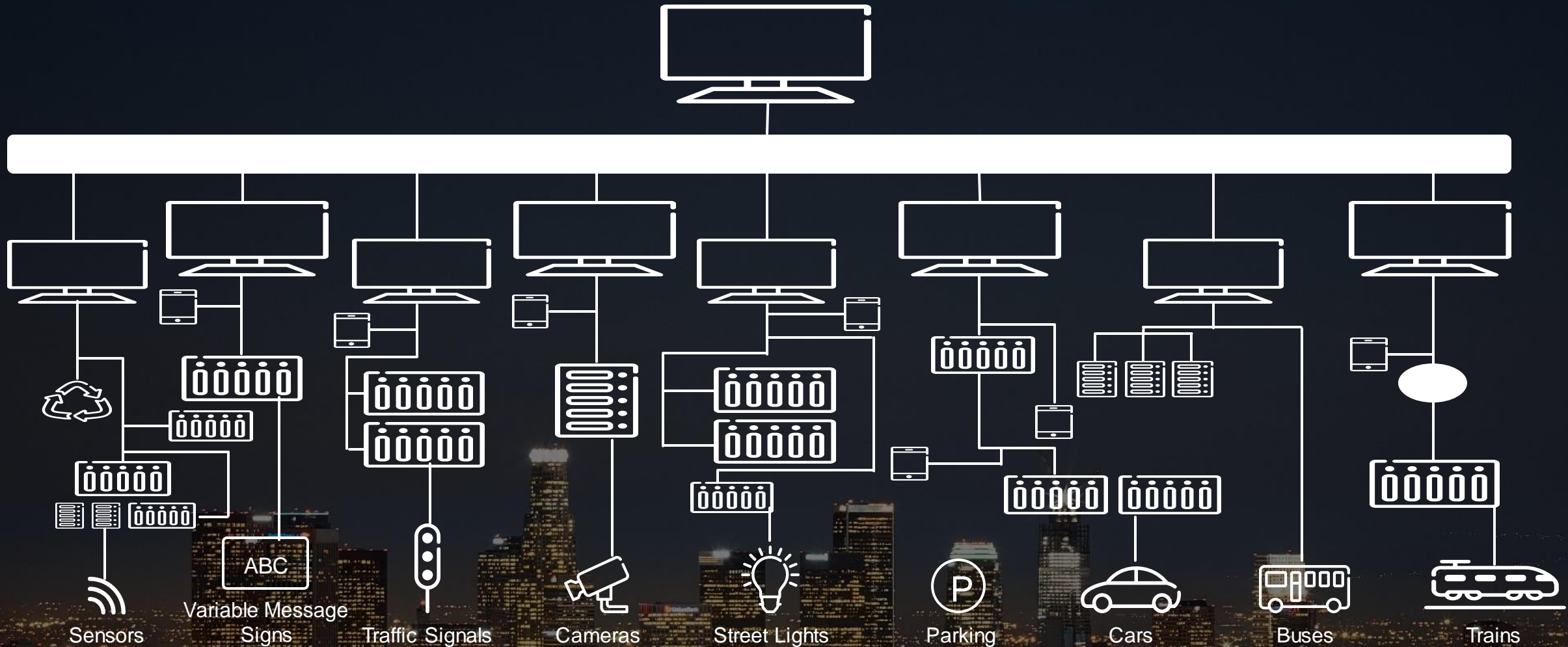
Connect

Cloud

Digital

Physical

Many different systems

Sensors · Variable Message Signs · Traffic Signals · Cameras · Street Lights · Parking · Cars · Buses · Trains

Connected urban transport
Make sure that all parts work in unison with each other

Information Center

Traffic Management Center

Data Brokers

Maintenance Staff

Service Providers

Citizens

City Planners

Train Operators

Sensors

Variable Message Signs

ABC

Traffic Signals

Cameras

Street Lights

Parking

Cars

Buses

Trains
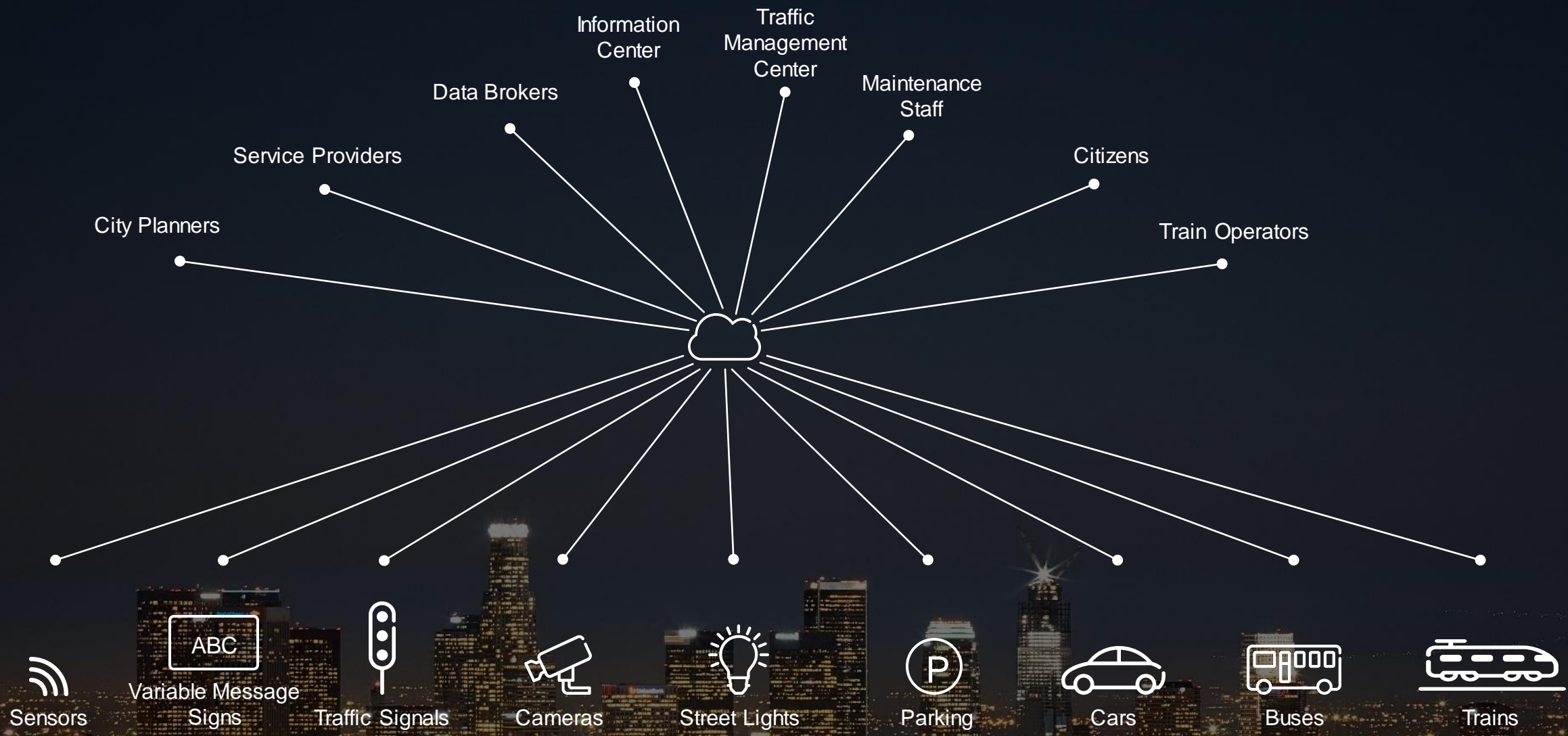
Connected urban transport
Powered by IoT Accelerator

Information Center

Traffic Management Center

Maintenance Staff

Data Brokers

Service Providers

Citizens

City Planners

Train Operators

Transport Switch

Billing & Settlement

Partner Applications

ABC

Sensors

Variable Message Signs

Traffic Signals

Cameras

Street Lights

P

Parking

Cars

Buses

Trains
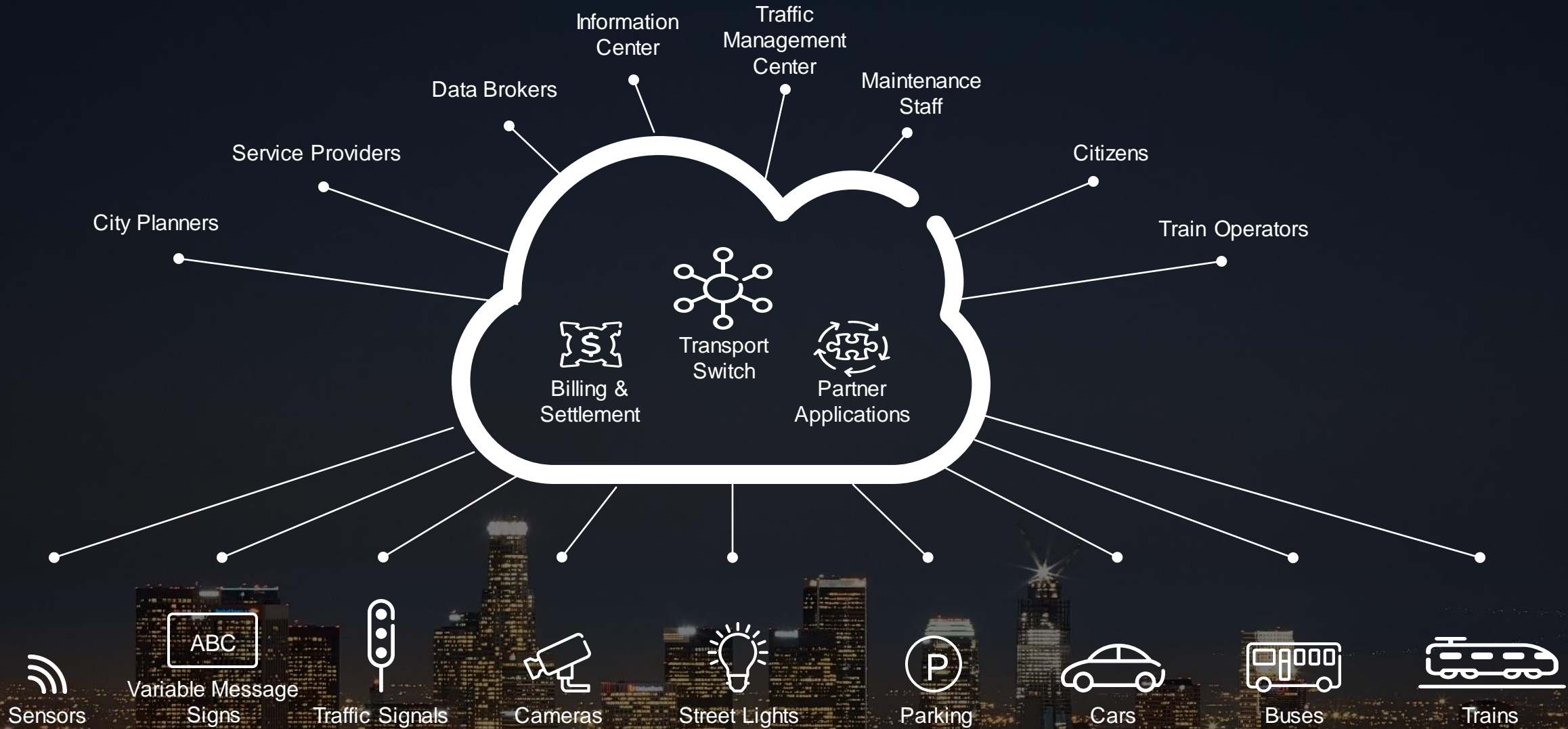
Grow The ecosystem and increase efficiency

Collect data from Infrastructure, vehicles and travelers

Predict and Suggest

Turn your Insights into actions

What do you want to have in your ecosystem?

Exposing Traffic data in realtime

Nationwide Cloud Solution for Ministerial Program "Talking Traffic", Netherlands

The Netherlands has rolled-out a national program called "Talking Traffic". The goal is to significantly reduce congestion on the roads by optimizing their usage.

This is done by sharing data between roadside equipment and vehicles and by connecting 25% of all traffic lights.

A nation-wide Cloud platform handles the data collection and sharing and the private sector is challenged by the Ministry to introduce new business models with local governments and travel service providers.

More asphalt is not always the solution for our traffic problems. Our infrastructure can be optimized by providing personalized information to individual travelers.
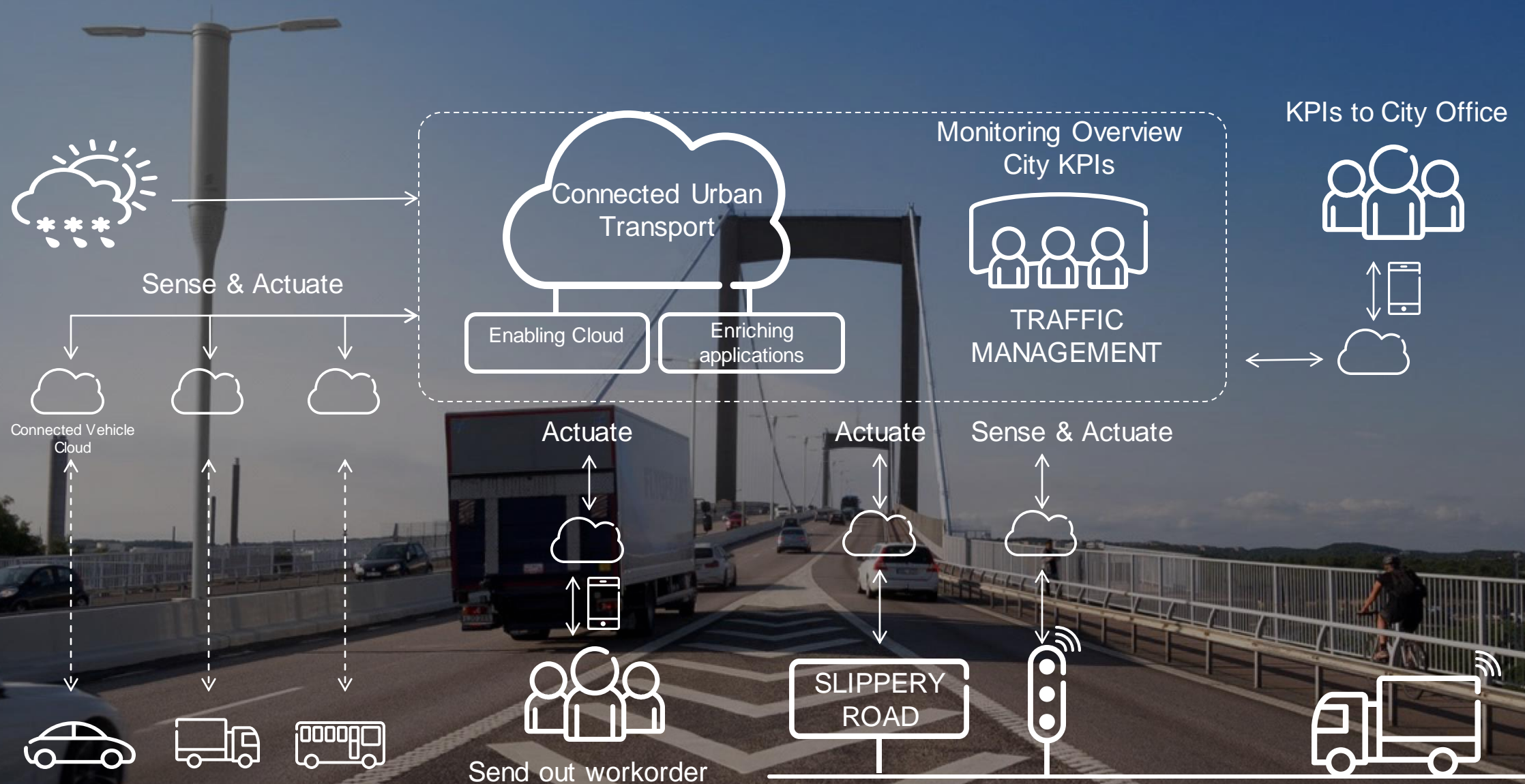
Melanie Schultz van Haegen
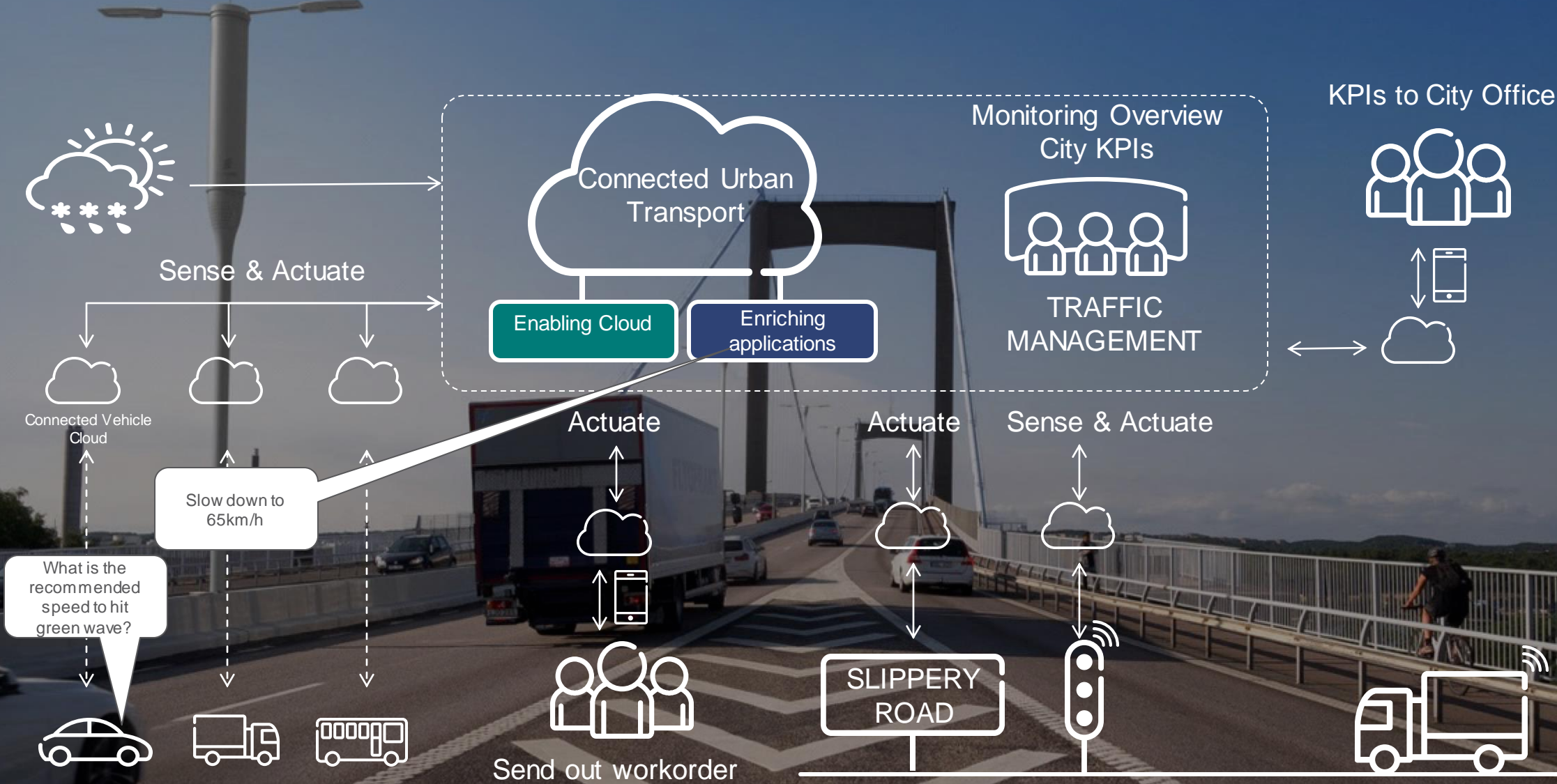Dutch Minister of Infrastructure and the Environment

Networks   IT   Media   Industries

Use case

Sense & Actuate

Connected Urban Transport

Enabling Cloud

Enriching applications

Connected Vehicle Cloud

Monitoring Overview City KPIs

TRAFFIC MANAGEMENT

KPIs to City Office

Actuate

Actuate

Sense & Actuate

SLIPPERY ROAD

Send out workorder