



Site-wide Connectivity for Infrastructure Projects

Site Connectivity

MANAGED SERVICES

24/7/365 Support

WORKSPACES

Security Control Centre
Communications Rooms
LAN Infrastructure
Audio Visual
Managed Print

SITE SECURITY

IP Security Cameras
Connectionless Lock

CONNECTIVITY

Satellite
Cellular Repeater
Mobile/voice/data
Local Private Network
Resilient Fibre

SAFETY AND PRODUCTIVITY

OWL - Geofence technology
IoT Sensors
GPS & Telematics

CONNECTIVITY - ON THE MOVE

Connected Vehicles
Netcase
Mobile/voice/data



Great for all locations

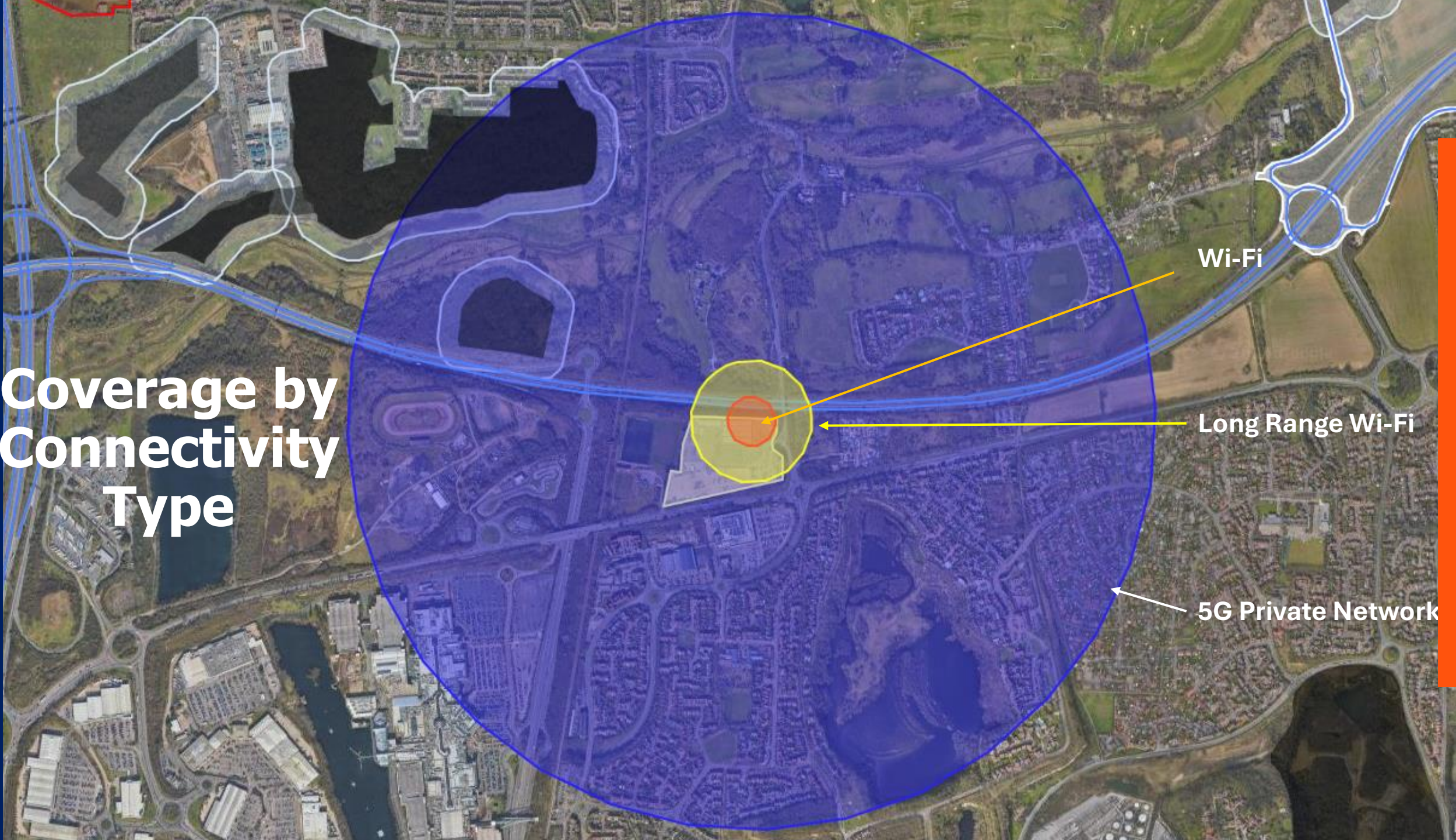
Very reliable

Quick to deploy

**Vehicle version
available**



Coverage by Connectivity Type

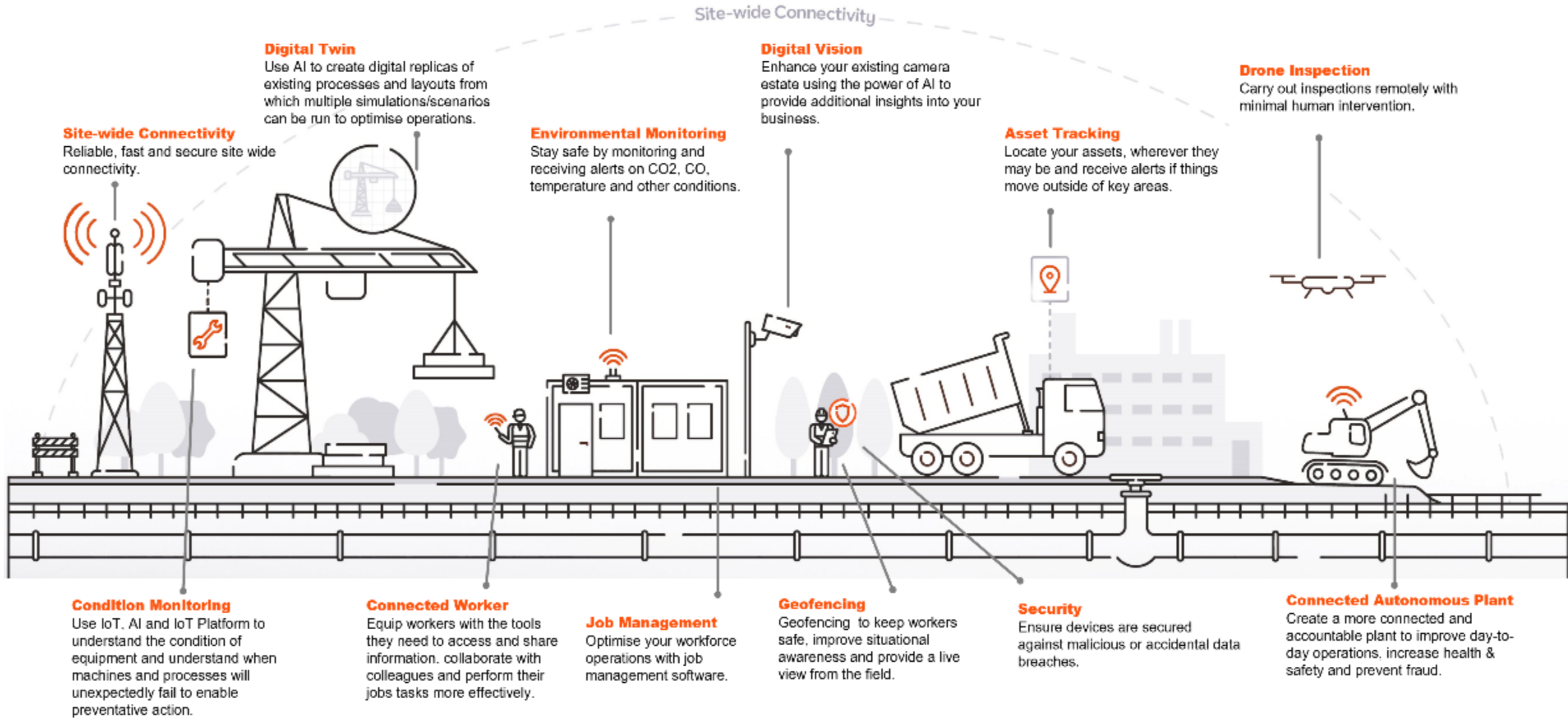


Wi-Fi

Long Range Wi-Fi

5G Private Network

Site-wide Connectivity – Delivery Phase



Site-wide Connectivity – Operation



Asset Health Monitoring
Leverage real-time insights and predictive analytics to reduce down time and enable data driven maintenance schedules.



Security
Ensure devices are secure from third party interventions.



Real-time In-Journey Information
Deliver timely information in-vehicle to drivers and passengers on routes.

Connected Maintenance Teams

Connected applications, real-time information delivering swift solutions.

Digital Twins

Use digital replicas of equipment, assets and infrastructure with multiple simulations and scenarios to optimise operations.

Electrical Vehicle Charging and Hydrogen
Provide live updates on capacity and status.

Traffic Management
Real-time information for drivers and passengers on congestion and roadworks.

Drones and Intelligent Surveying Equipment

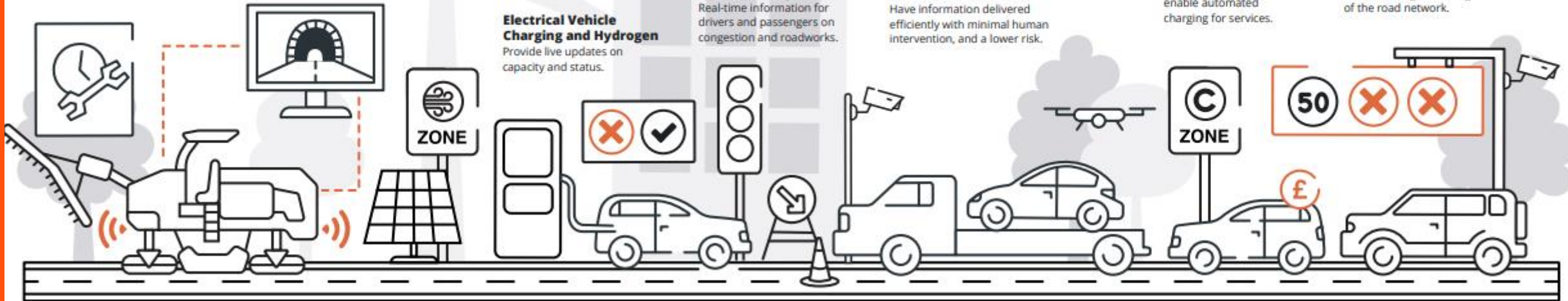
Have information delivered efficiently with minimal human intervention, and a lower risk.

Automated Road User Charging

Vehicle recognition to enable automated charging for services.

Digital Variable Road Signs and Messages

Enable intelligent management of the road network.



Connected and Autonomous Vehicles

Provides enhanced capability for V2X communication and enables connected and autonomous plant use for operation and maintenance.

Air Quality and Environmental Monitoring

Monitor and set alerts for environmental indicators. Automate energy saving. Ensure air quality targets are being met.

Roadside Renewables

Further enables connection to roadside renewables to maximise opportunity for generation via the highway. (e.g. kinetic pavements, vertical roadside wind generation.)

Driver Fatigue and Behaviour Monitoring

Allows AI vision to identify fatigue and poor behaviour such as mobile phone use.

Proactive Recovery

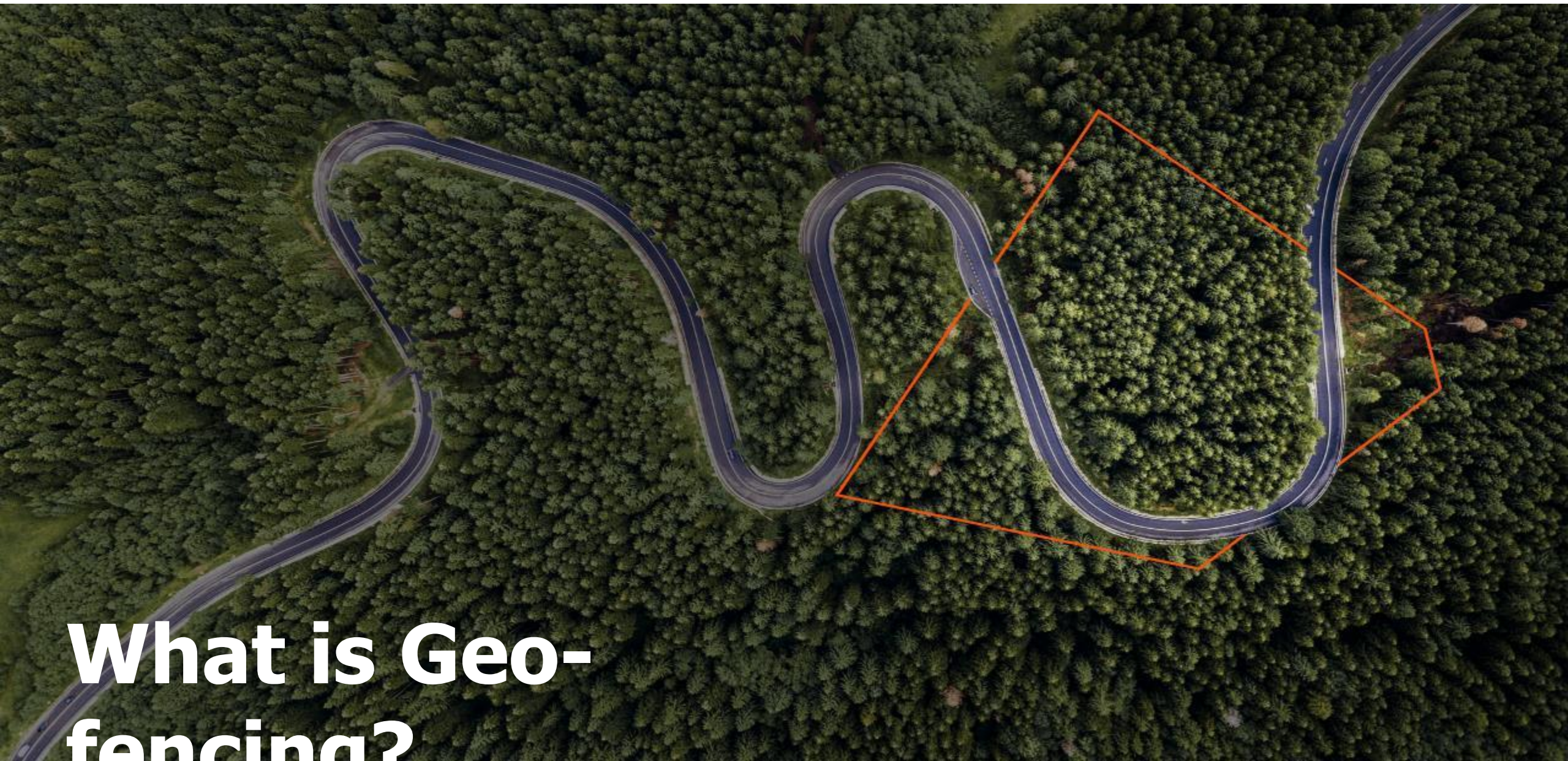
Ensure timely recovery of vehicles to facilitate smoother journeys and reduced delays.

Personalisation and Ride Sharing Facilitation

Keep drivers and passengers informed with accurate and personalised information for journeys and journey planning.

Automated and Intelligent Traffic Management

Automated deployment of traffic management schemes removing highways workers from at risk locations. Optimise speed restrictions, lane usage and traffic signals to reduce congestion and improve traffic flows.



What is Geo-fencing?



User 4

Status: Online

Location update time: 05/05/2022, 13:55:58

Altitude: 77.97429752349854

Email: user004@onwave.com

Search...

Users: No filters applied.

Zones: No filters applied.

Hide images?

Messages

Tasks Events

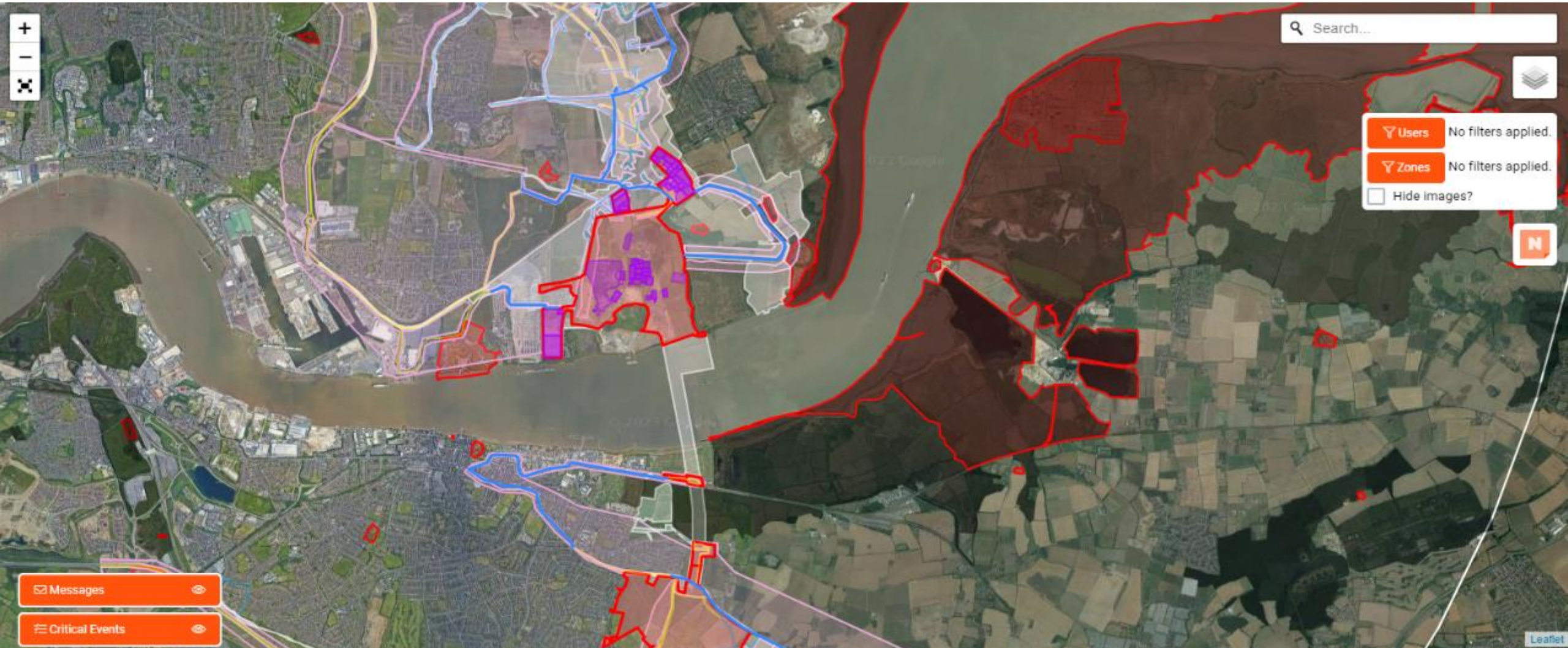
System Events

Leaflet



Use Case Examples



[Messages](#) ▼[Critical Events](#) ▼



Thank you for listening

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