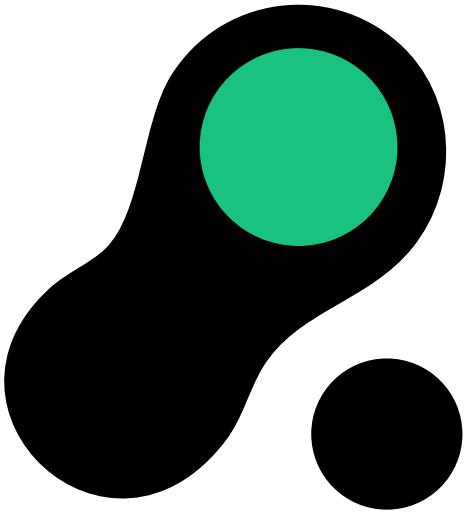


SPOTTER

Make Your City Smarter
With SPOTTER AIoT

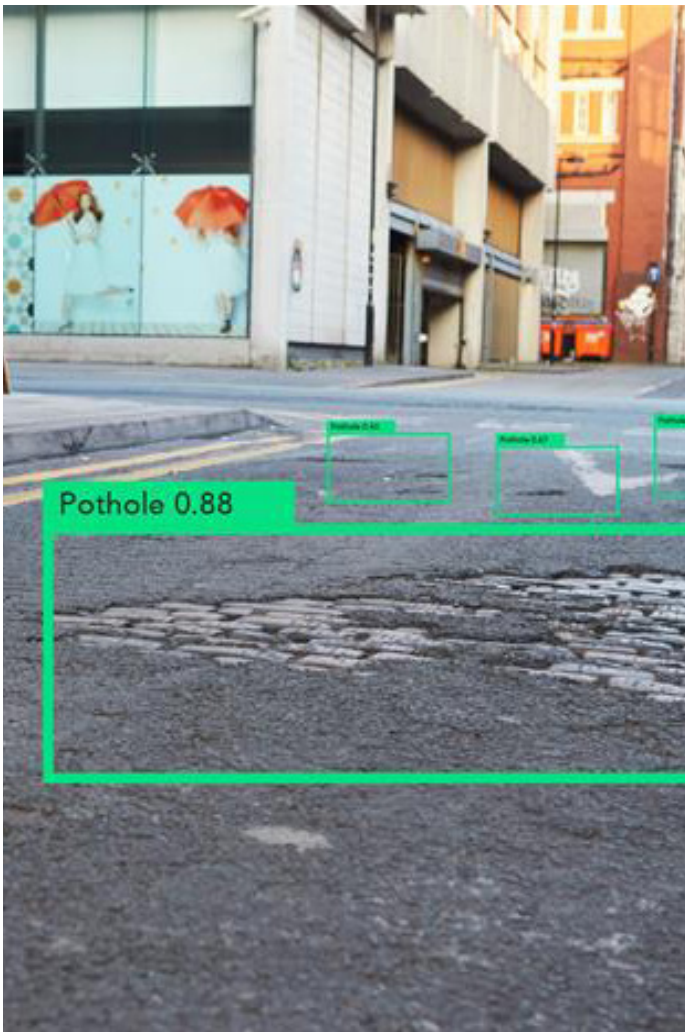
Powered by
My Smart City and Forcelink

Imagine if every vehicle could be fitted with an AIoT device that continuously analyses road conditions, detecting abnormalities and enabling real-time, automatic reporting of issues.

The Spotter Device is engineered to deliver precise, real-time road condition data. Equipped with advanced sensing technology, it effectively identifies potholes, surface cracks, and other road imperfections, supporting smarter infrastructure maintenance decisions. **Transforming road maintenance from reacive to proactive.**

Robust & Versatile Design

- Weather Resistant
- Easy Installation
- Minimal Maintenance
- Fits all Vehicles



40%

reduction in emergency repair costs can be achieved through early pothole detection.

70%

reduction in manual road surveys through automated inspections.

High-Resolution Camera Detection

- Real-time visual detection of surface deterioration
- Advanced image processing for reliable identification and classification
- Optimal performance under varying lighting and weather conditions

LiDAR Surface Profiling

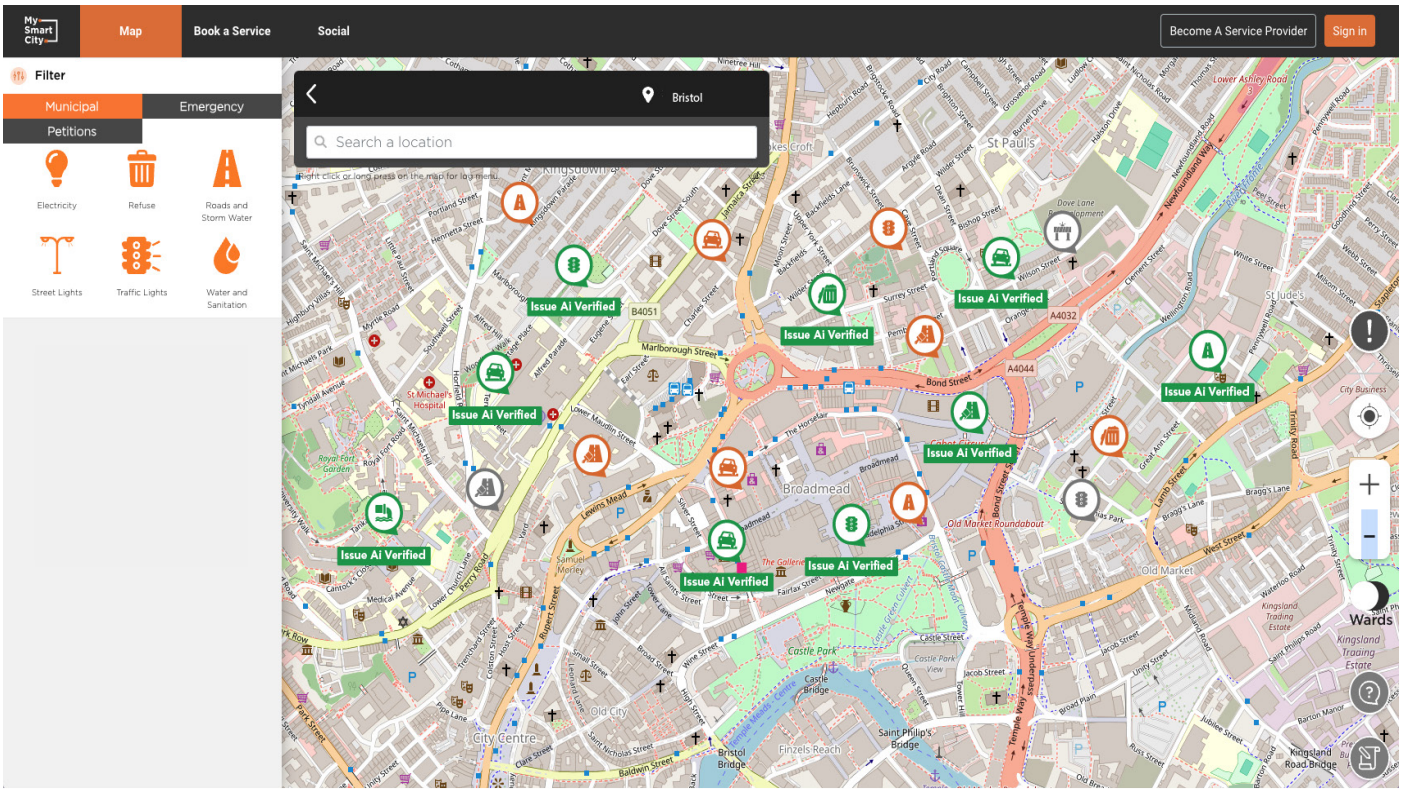
- Accurate 3D measurement of potholes and road imperfections
- Detailed surface gradient mapping and volumetric analysis
- Precise dimensional data (length, width, depth) of detected features

GNSS/GPS Positioning

- High-accuracy latitude and longitude coordinates
- Real-time vehicle speed and travel direction tracking
- Enhanced positional accuracy for precise mapping

Integrated LTE (4G) Connectivity

- Live transmission of road condition data directly to secure cloud servers
- Remote data access for immediate assessment and response
- Reliable connectivity with low-latency data upload



Integrates with the My Smart City public portal and app, improving public trust and service transparency.

- Efficient road maintenance and citizen engagement
- Seamless municipal integration, with automatic issue logging and prioritisation based on severity
- Uses existing municipal and fleet vehicles to collect data
- Live, automated issue detection from fleet vehicles

Extends road lifespan and reduces resurfacing frequency by

20 – 30%

SPOTTER's versatility allows for expanded deployment.

Install SPOTTER onto any vehicle to optimise budgets, resources and service-delivery.

Minimise vehicle repair claims, saving municipalities millions annually.

Specifications	Descriptions
Detection Capabilities	Potholes, Cracks, Road Surface imperfec-
Data Output	Images, 3D LiDAR scans, Gradient,
Connectivity	LTE (4G), Continuous real-time data
Positioning Accuracy	GNSS/GPS with precision tracking
Environmental Resistance	IP-rated enclosure, rugged build
Power Supply	Compatible with vehicle power systems
Data Integration	Cloud-enabled for instant analytics