



UNIVERSES

Building vehicle perception. Elevating road management.



Autonomous Vehicle

technology developed by UnivrseS
for the **production vehicles** .

- **7+ years** developing perception for **self-driving car applications**
- **R&D** and delivery of **Production Ready Code**

UnivrseS is trusted to develop the **most critical** components in the AD software stack.



Introducing 3DAI™

AI-generated live maps transforming
urban and highway management

↓ CO²

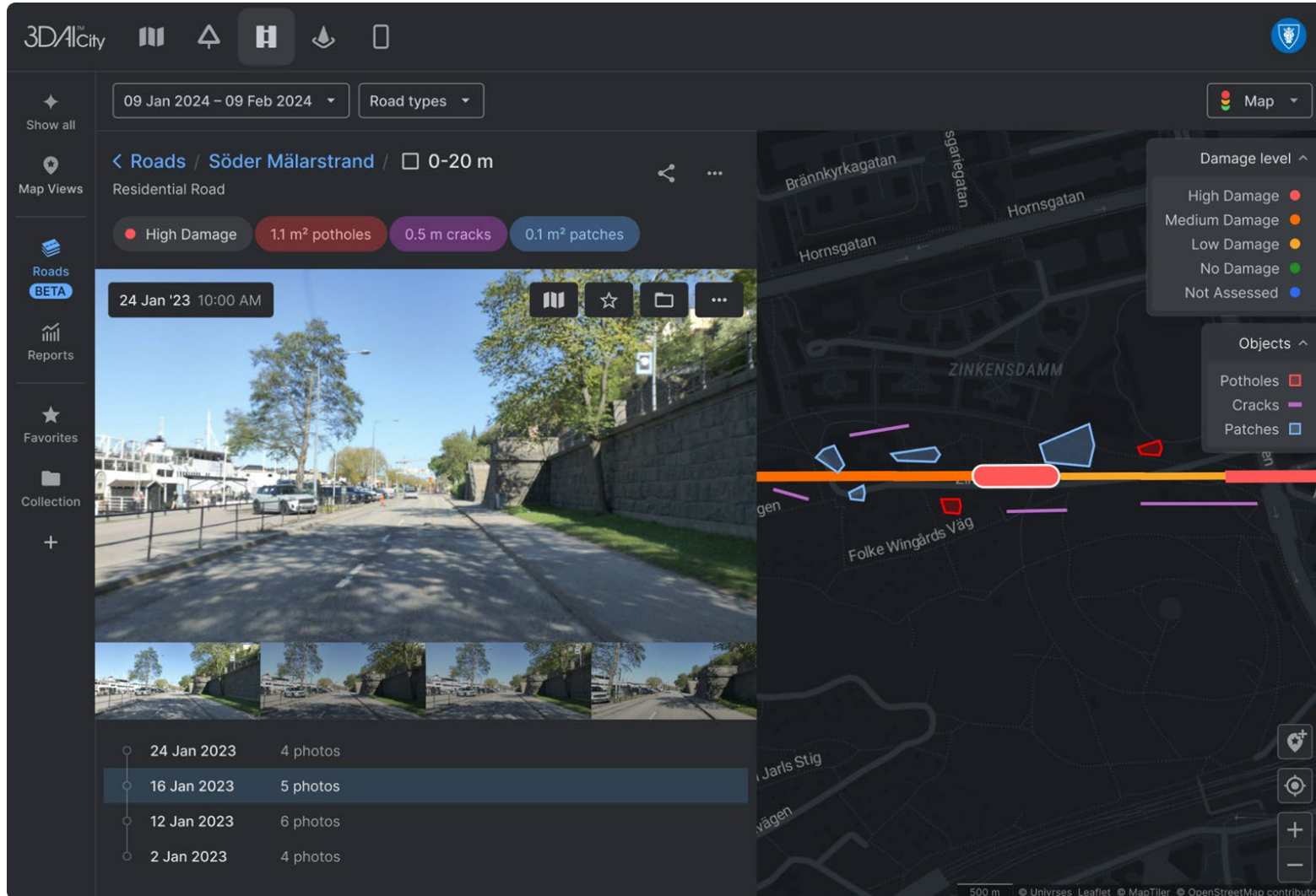
↑ SAFETY

↑ PRODUCTIVITY



Value Add

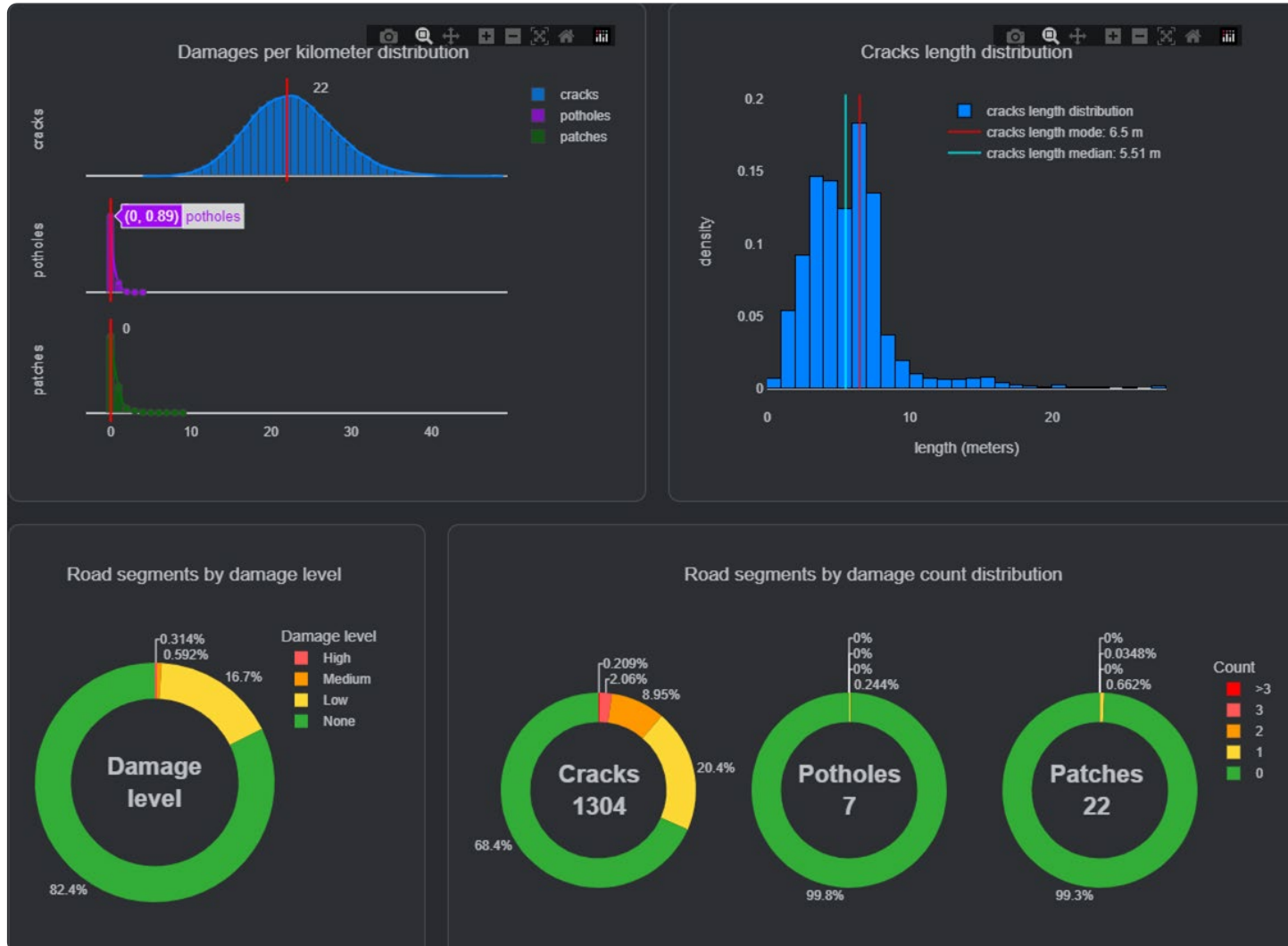
3DAI™



Productivity gains from changing the way we collect the data are important.

But not so significant as the gains we get from using the data in the best way.

Value Add

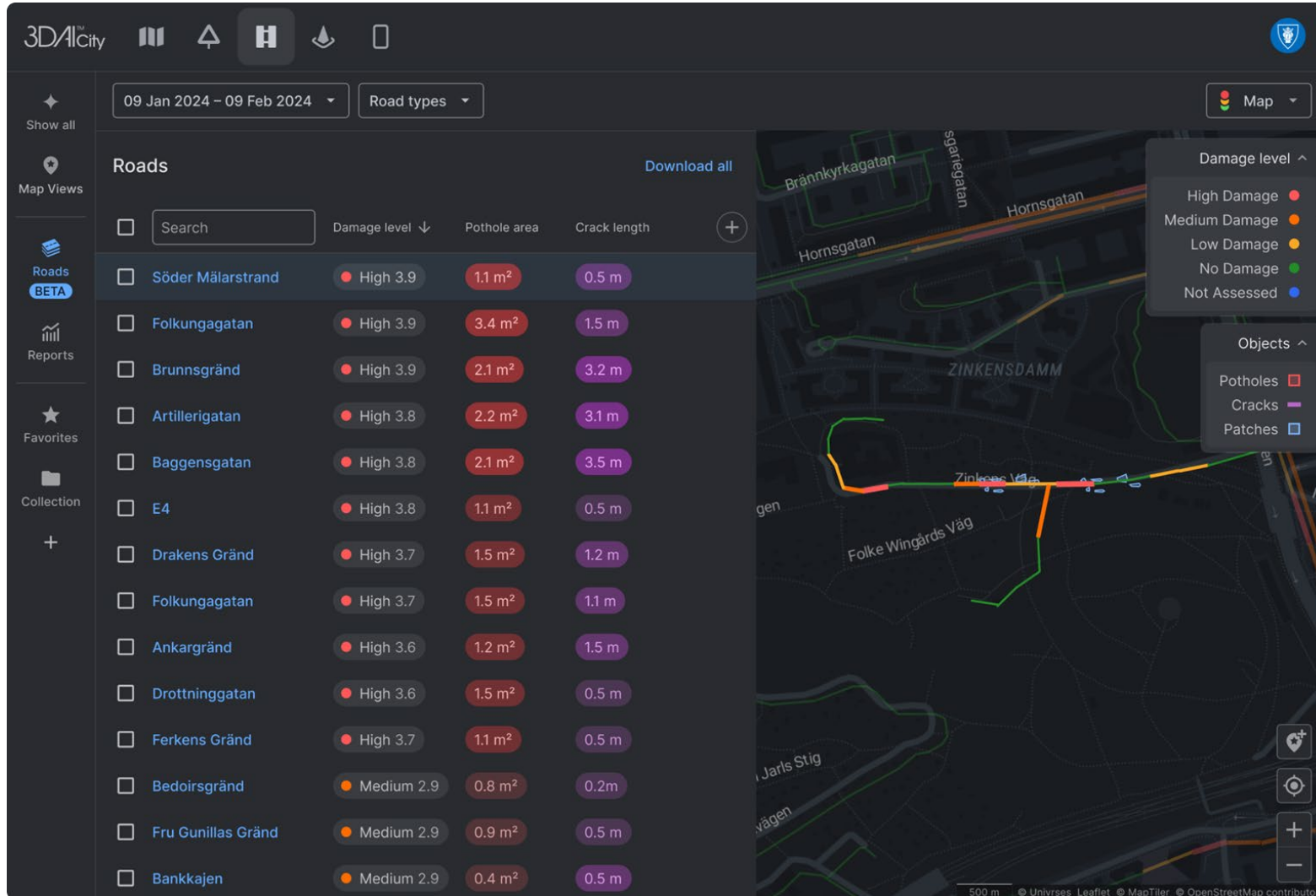


Safety Issues

All the road defects, including potholes and large cracks can be individually examined.

Value Add

3DAI™



1. Traditional Inspection:
Surface Inlay in 4 years

Cost £119,000 for 16 years

2. Inspection + Asset Mgmt:
Patching + Surface dressing

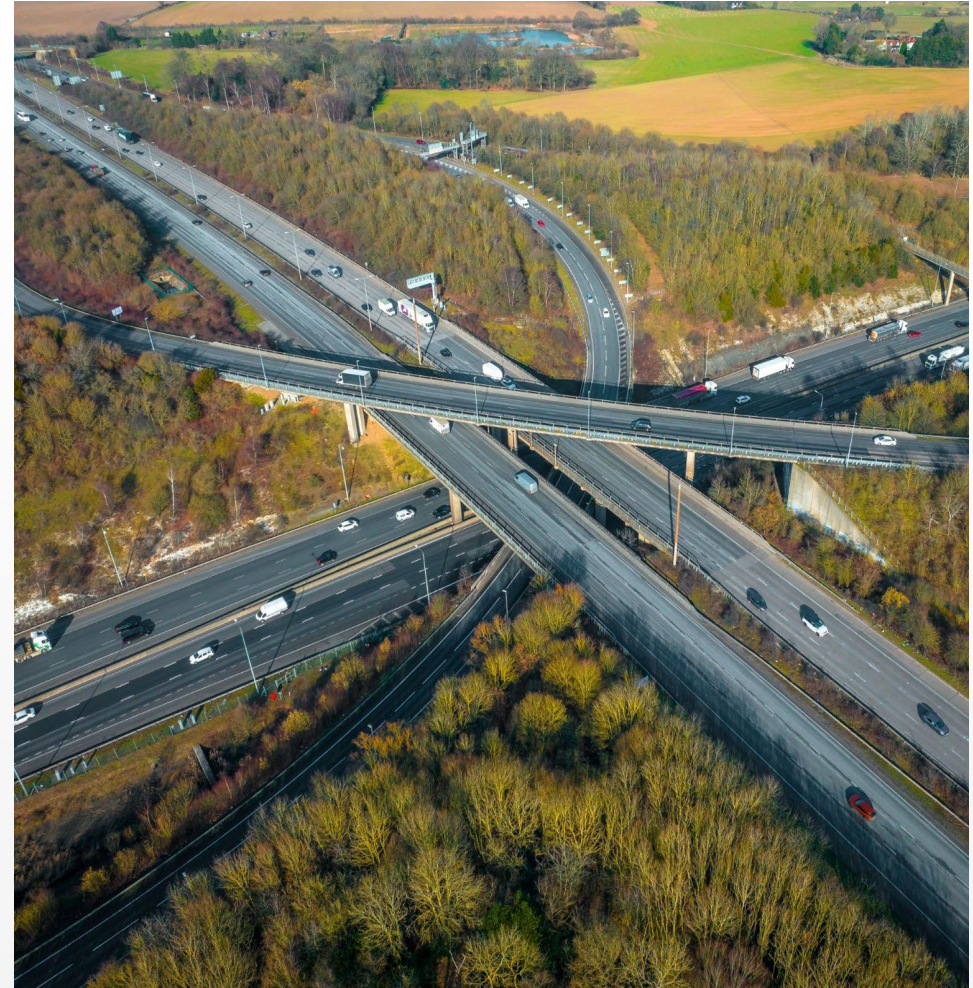
Cost £84,000 for 15 years

3. 3DAI + Asset Mgmt:
C & J + Surface Dressing

Cost £31,000 for 15 years

Considering Carbon

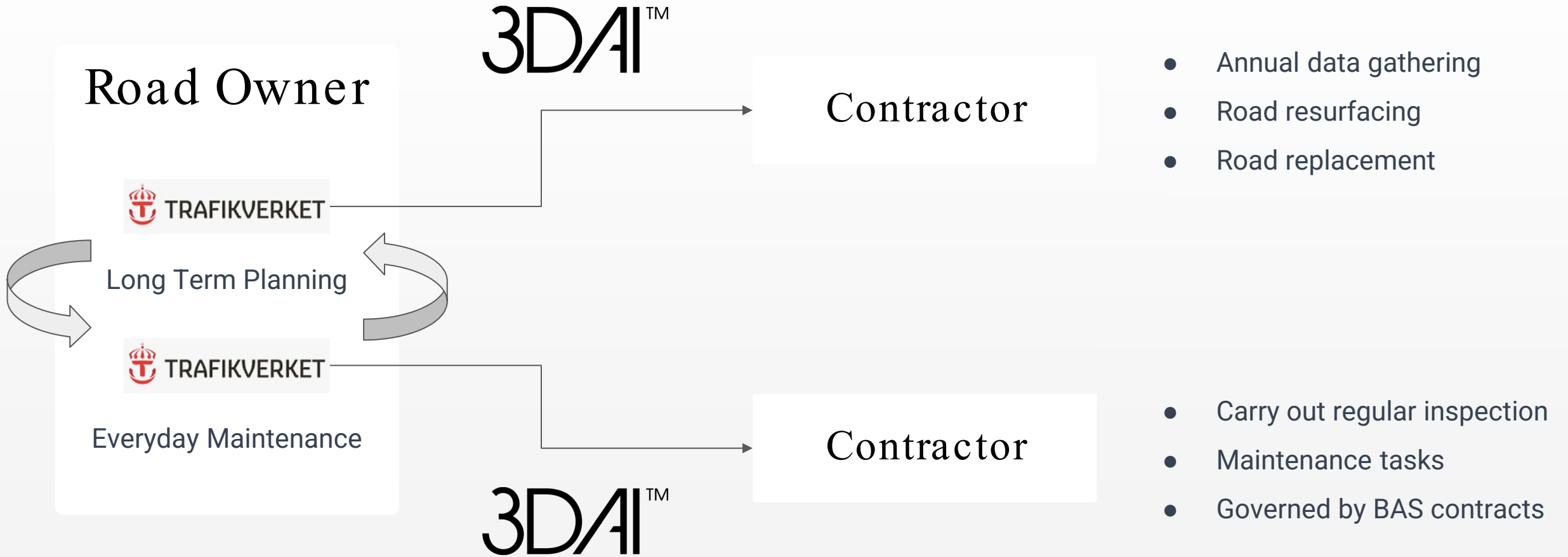
The biggest carbon reduction measure available to the roads sector is to extend the life of the road



Asphalt and cement are CO₂ rich materials and limiting their use, e.g. by favoring the adoption of preservatives treatments instead of structural works, will help meet the green targets.



Example: Virtuous Circle

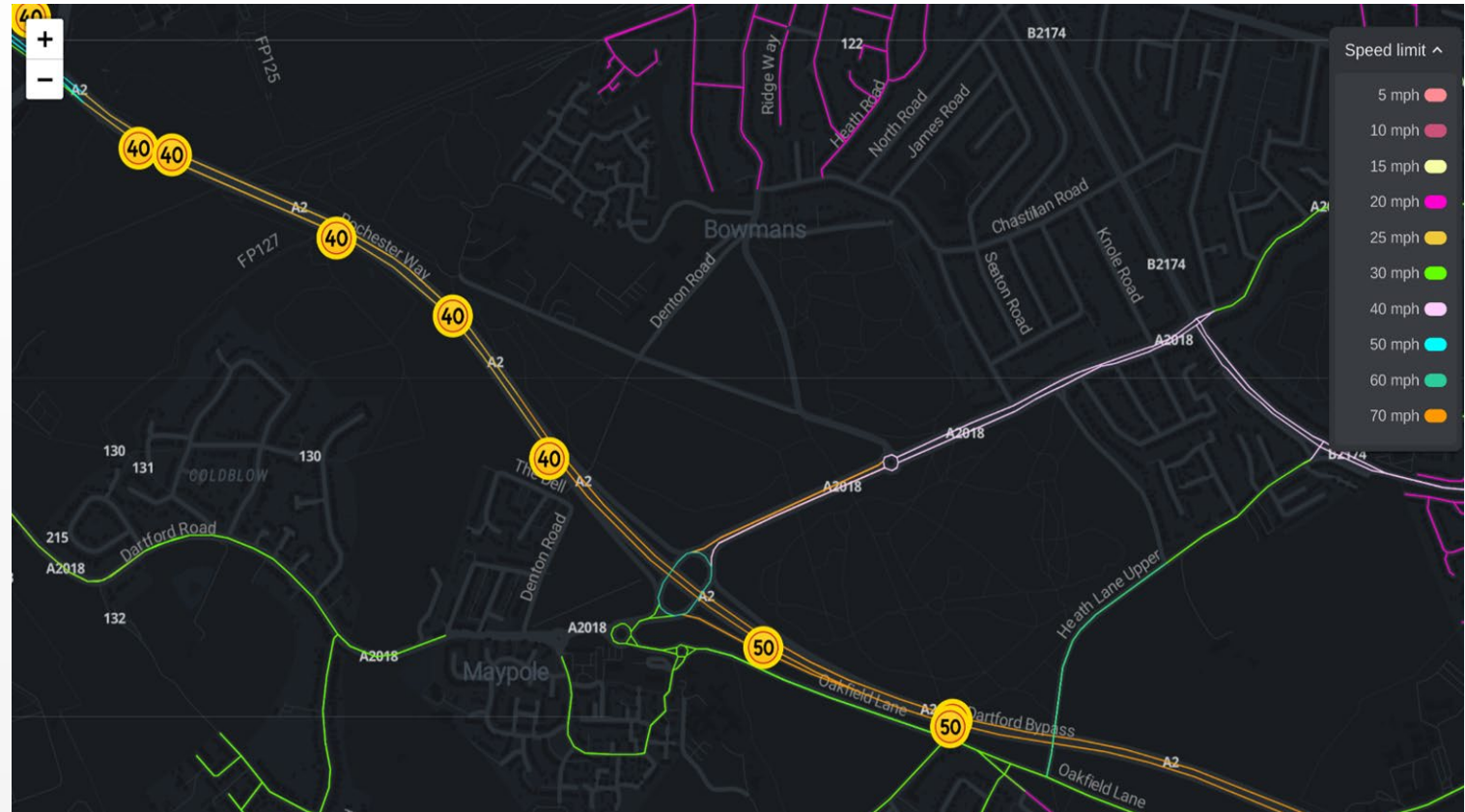


Traffic signs

-> Conflict with public databases

-> Signs are faded or have been vandalized and require replacing

-> Signs are occluded and require fixing

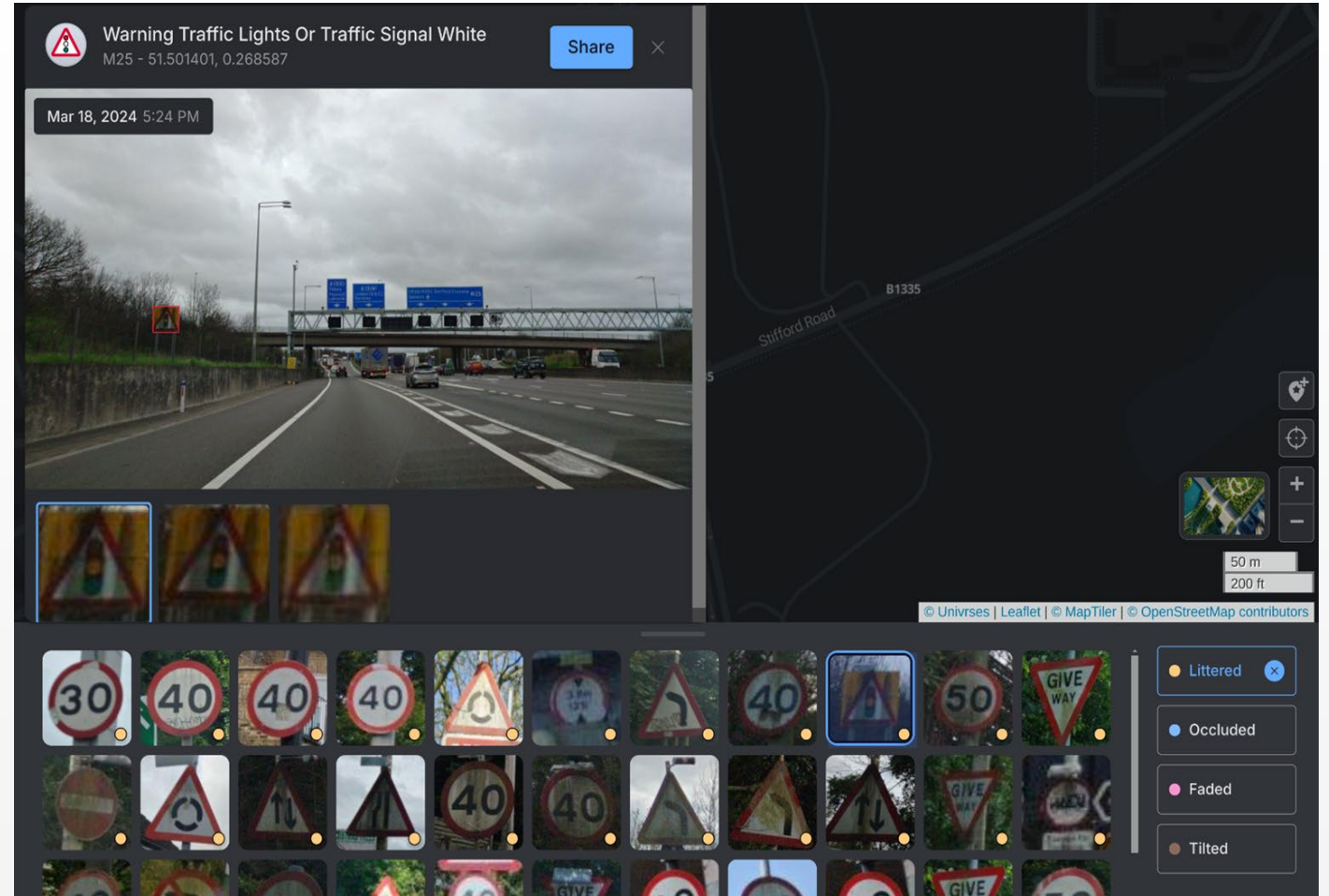


Traffic signs

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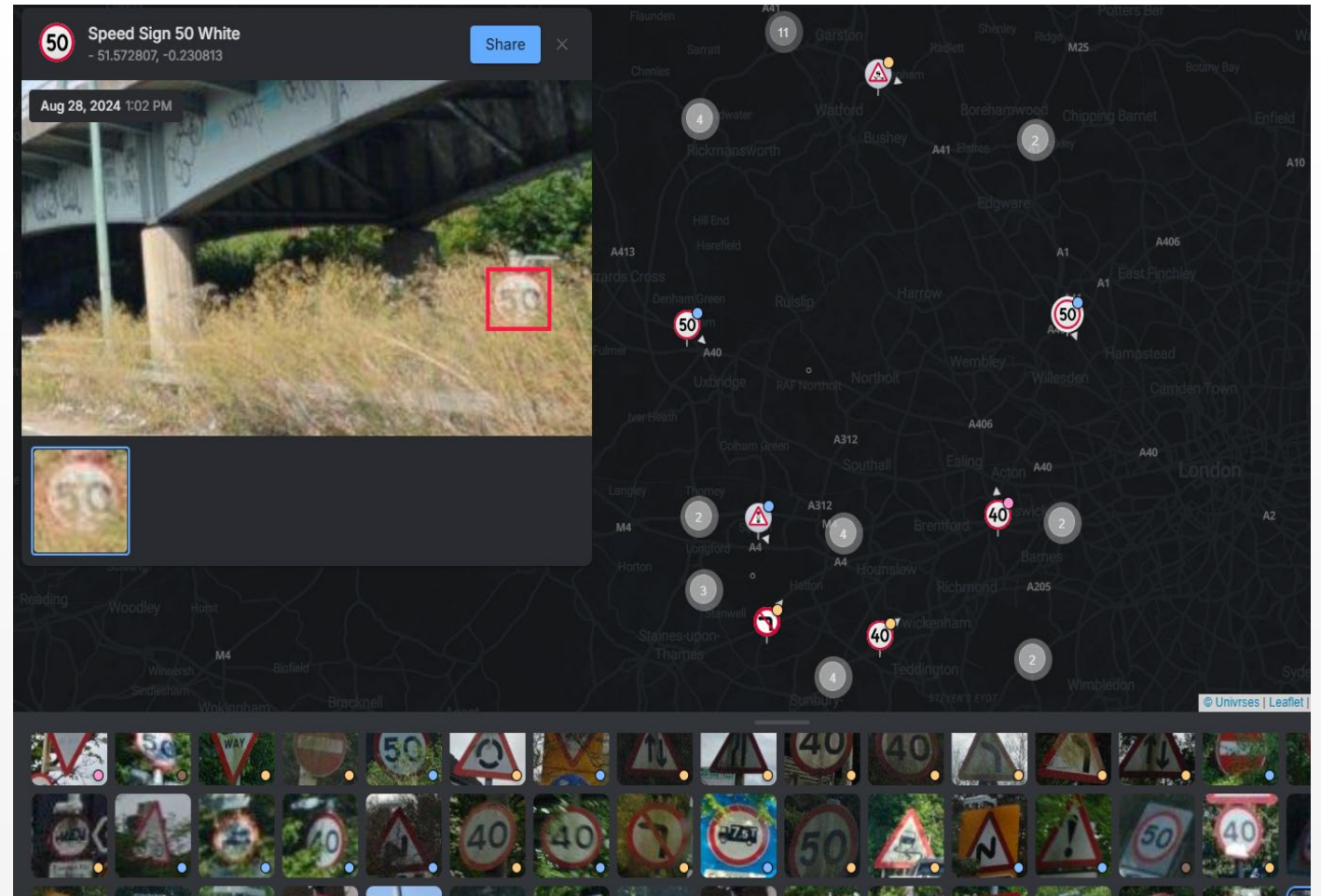


Traffic signs

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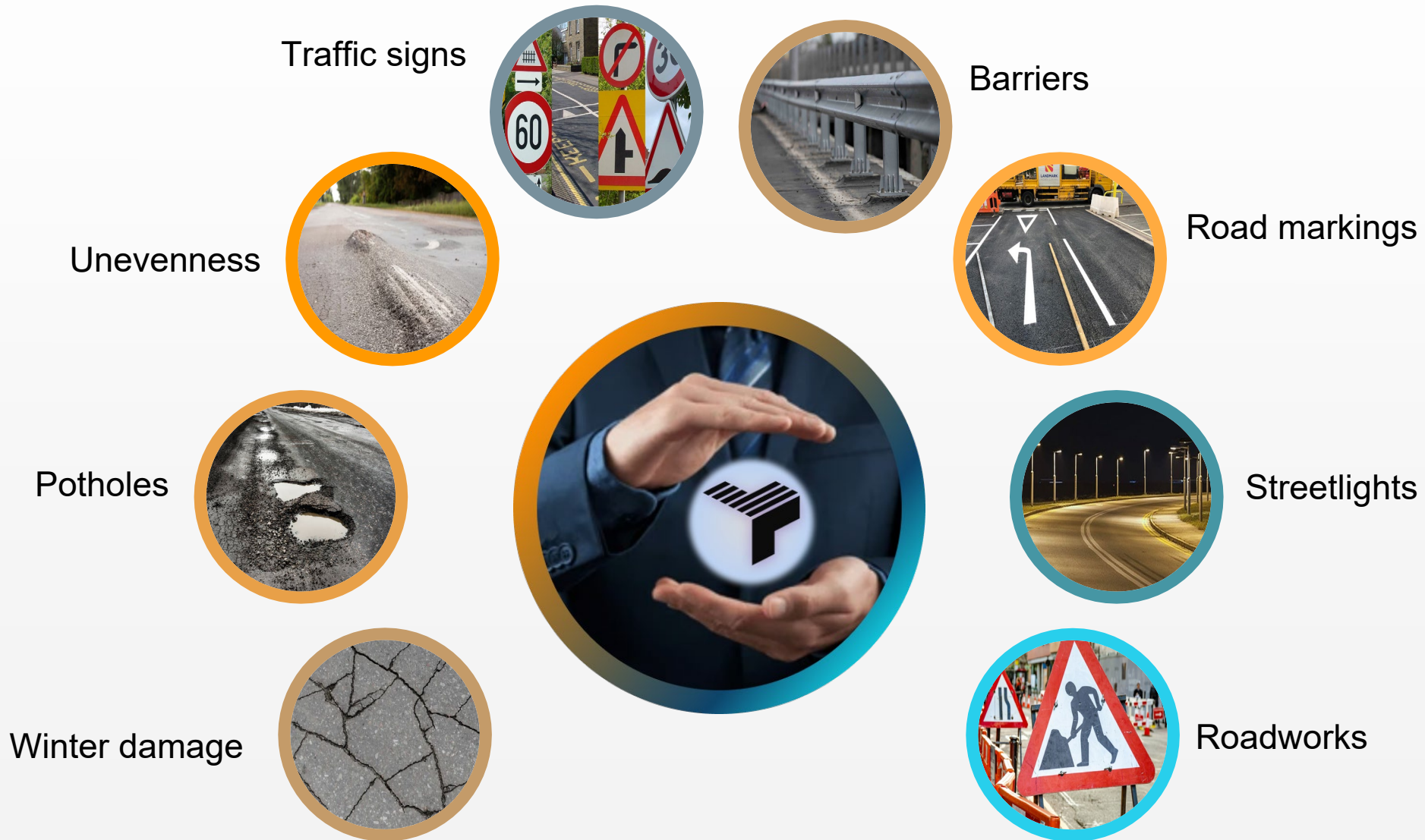
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Same Tech, same Data, many possibilities



.. and more.



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