GWF
GEOSPATIAL WORLD FORUM
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AI-INFRASOLUTIONS

THE FUTURE IS NOW.

Jeroen Zanen | CEO & Founder of AI-InfraSolutions

2024

AI-InfraSolutions

Intelligent geospatial insights for smart asset management

Jeroen Zanen

Founder and CEO at AI-InfraSolutions

- 6 years building AI-InfraSolutions
- 11 years as CEO and Founder at Crowdynews
- 8 years as CEO and Founder at Firmo

ABOUT US.

Founded: 2018.

Offices: The Netherlands (HQ), Singapore.

Our team: 95 dedicated professionals driving innovation.

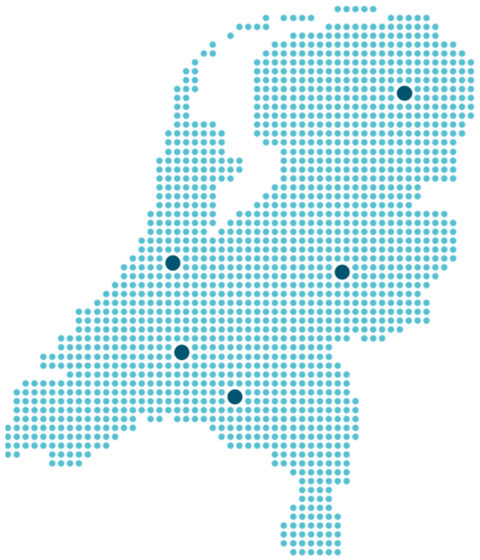
THE FUTURE IS NOW.

Combining end-to-end large scale Mobile Mapping & AI-driven Asset Management.

Jeroen Zanen | CEO & Founder of AI-InfraSolutions

2024

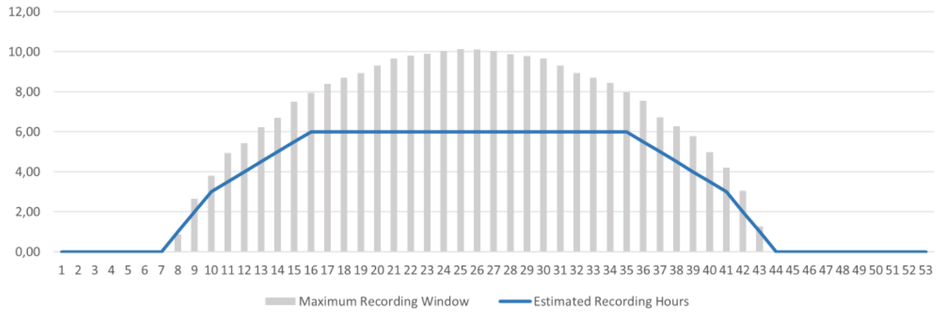
Netherlands Nationwide Collection 2024



AI-INFRASOLUTIONS

Municipalities	Streetlines km to record	Pipeline km to process	Pipeline data to process	Foto Locations netto
342	140 000 km	280 000 km	1400 TB	28 Million

Hubs	Cars	Drivers	Fleet Coordinators	Collection Info
5	15	22	4	7 days a week



Our expertise

We do nationwide data capture in Netherlands on an annual basis.

Enriched with valuable infrastructure asset information layers.

Challenges.

Time & Complexity
Data security
Investment & Costs
Knowledge

A cutting edge approach.

Map once, refine & store locally, look at everything.

A cutting edge approach.

Cutting edge technologies are making their way into the world of mobile mapping.

A cutting edge approach.

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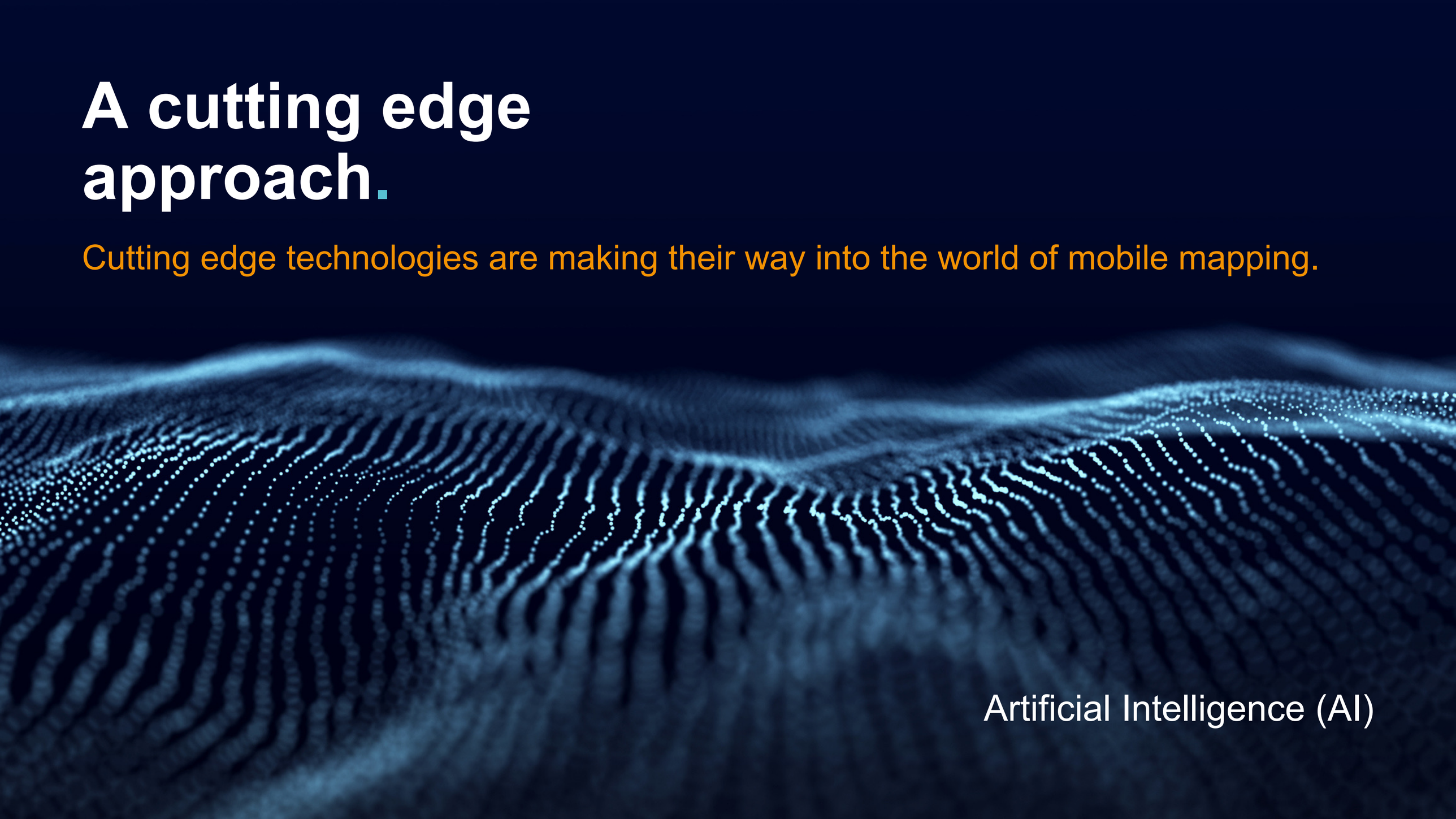

Artificial Intelligence (AI)

A cutting edge approach.

Cutting edge technologies are making their way into the world of mobile mapping.

Machine Learning

Artificial Intelligence (AI)

A cutting edge approach.

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Deep Learning

Machine Learning

Artificial Intelligence (AI)

A cutting edge approach.

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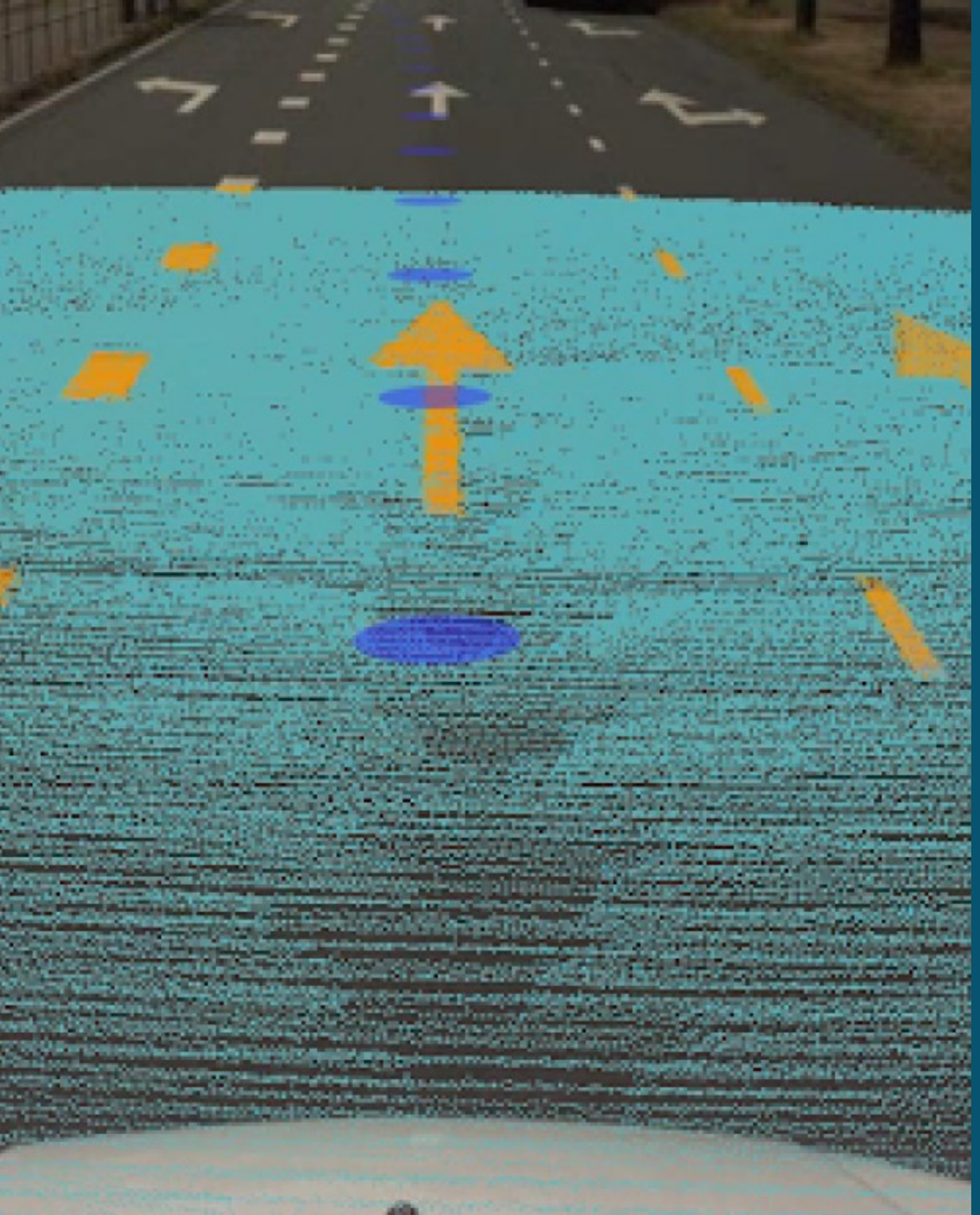
Internet of Things

Deep Learning

Machine Learning

Artificial Intelligence (AI)



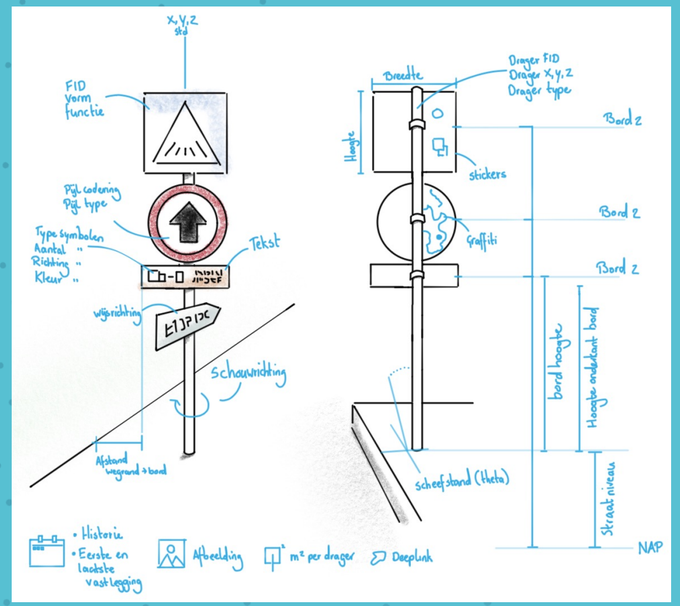
INTERNET OF THINGS

- Real-time monitoring of the fleet and it’s systems to enable smart planning, routing and intercommunication between cars

ARTIFICIAL INTELLIGENCE
MACHINE LEARNING
DEEP LEARNING

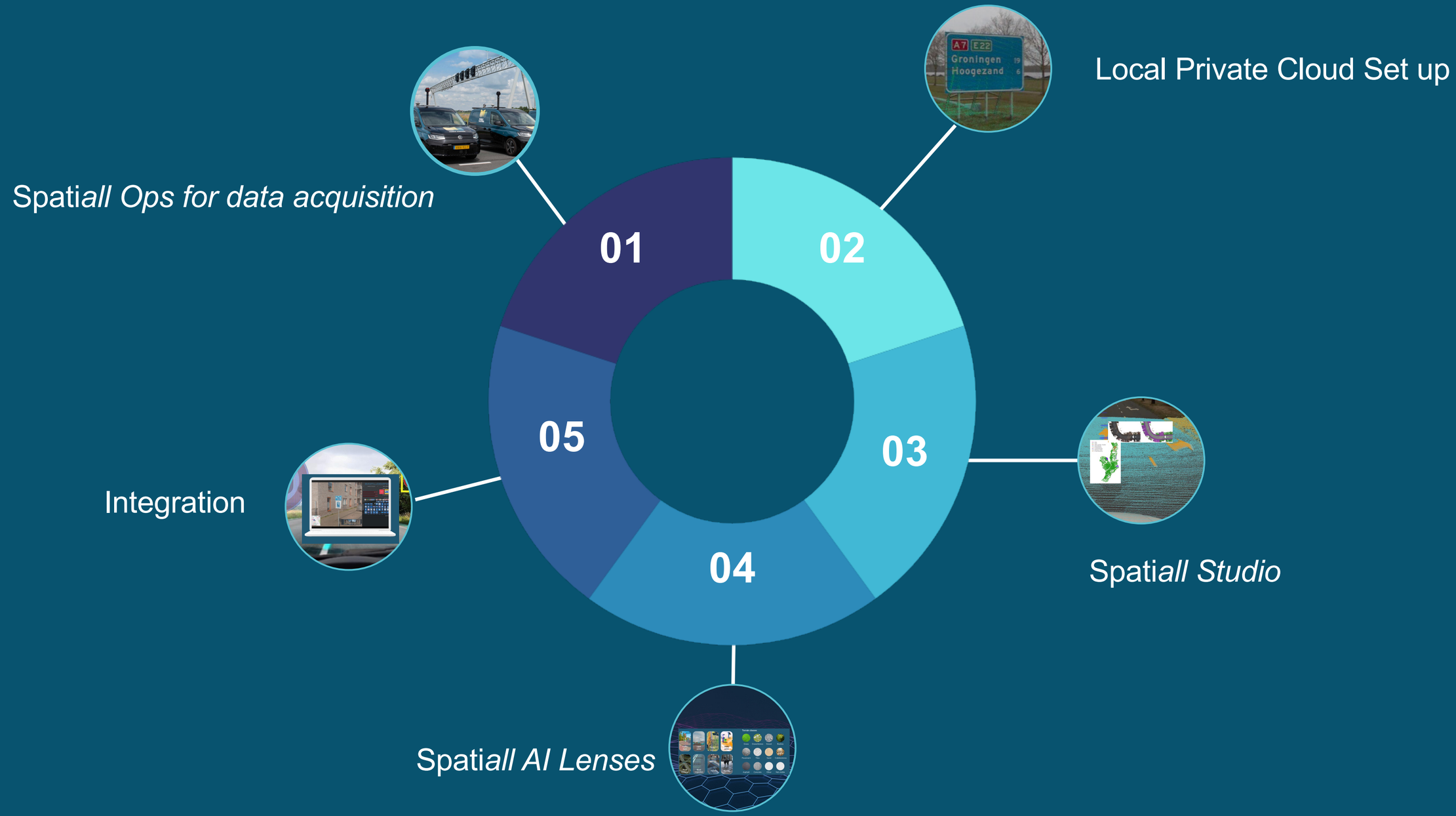
- GDPR-proof data acquisition
- Local refinement & Storage
- Automatically extract georeferenced assets

Smart Tech.
Critical for Large Scale National Mapping & Asset Extraction



HOW IT’S DONE.

How do you integrate cutting edge technology into national mapping strategies?


Spatiall Ops for data acquisition
Local Private Cloud Set up
Integration
Spatiall Studio
Spatiall AI Lenses
01
02
03
04
05

Adapting IT Strategies.

LOCAL IT INFRASTRUCTURE - IT’S ESSENTIAL

It’s important to change IT strategies to ensure they can cope with that kind of volume large scale data capture will bring.

AI-InfraSolutions have developed specialist tools to ensure IT strategies can cope with mass data collection.

GREEN INITIATIVES.

Large Scale Mapping for a Greener World.

Things to consider:

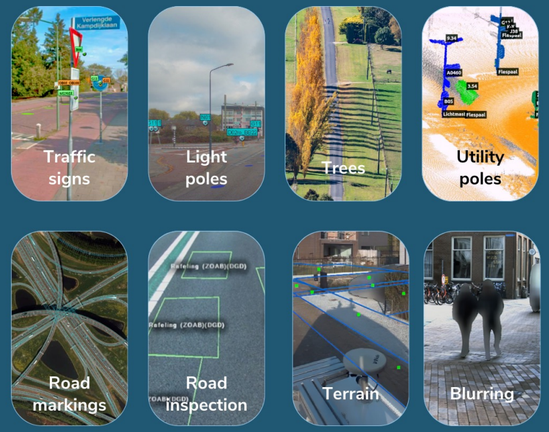
- Eco set-up
- Consider the use of data centres and data storage
- Using green data centres within your region
- Large scale mapping reduces emissions - scan once, use multiple times
- Data sovereignty by hosting in own country

Efficient processing with minimal human intervention.

Efficient processing with minimal human intervention.

More data, less overhead

Spati*all* lenses.



Terrain classes

Geospati*all* Insights.

Converting reality data into actionable geospatial information,

Leading to data driven infrastructure design, construction and maintenance reducing waste and improving overall infrastructure & safety.

Integration into NGA’s and Industry.

- Powering digital twins for Smart Cities
- Providing high-definition asset information for industry and government
- Interface with drones, driver assistance, dashcam footage, and floating car data for real time monitoring of infrastructure

Recap benefits.

End-to-End
Financial Model
Local Set up
AI-driven extraction

Let’s connect

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SCAN HERE