A COMPREHENSIVE AI TOOL
FOR ACCURATE AUTOMATIC EXTRACTION AND CLASSIFICATION
OF ROAD INFRASTRUCTURE

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CEO

Problem / Solution

If maintenance is neglected over a period of **3 years**, it is estimated that the necessary repairs or renewals of these roads may cost **3 to 6 times more** than relevant maintenance.

RDextractor will provide an automatic extraction inventory of road infrastructure and trees. Generally speaking, our solution will provide more reliable intelligence than any other available software and enable stakeholders interested in infrastructure maintenance to overbridge the current shortage of information to fully address their challenges.

Road maintanance

Data value chains

DataDEV Road data extractor

Manual data aquisition

Solution

- Manual data aquisition problem
- 2020: European road network represents arround 8,4mil km

  - 90.000 motorway
  - 7,2 mil paved roads
  - 1,2 mil unpaved roads

- DataDEV Road data extractor
- AI tool for accurate automatic extraction and classification of road infrastructure
- Reliable data aquisition for road maintanance
- This AI powered solution merge all existing set of modules (Registered Point Cloud, Extraction From Point Cloud, Building Information Model and DataBLUR) in one platform
- Publishing the data
  - Road inventory
  - Road damages

Revenue model / Market strategy

The road construction and maintenance market size is estimated to grow at a **CAGR of 5.42%** between 2022. and 2027.

The road construction and maintenance market size is forecast to increase by **USD 259.95 billion.** The growth of the market depends on several factors, including investments in road and highway infrastructure projects, the growth in the number of automobiles on roads, and the increasing need for highway infrastructure.
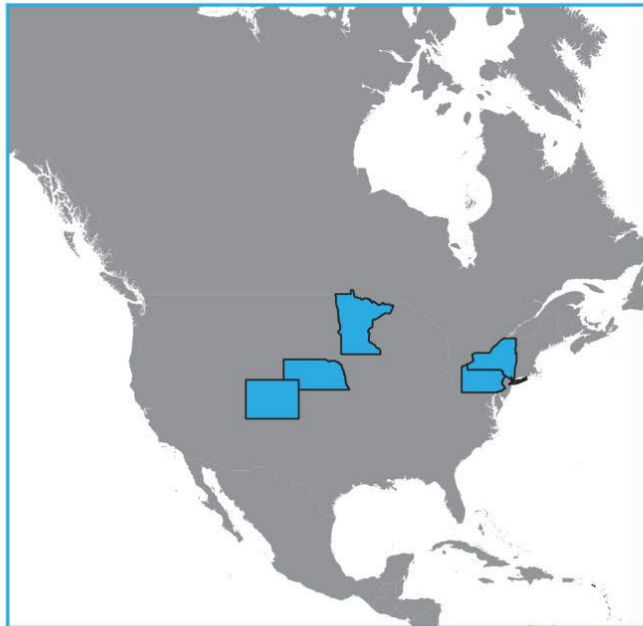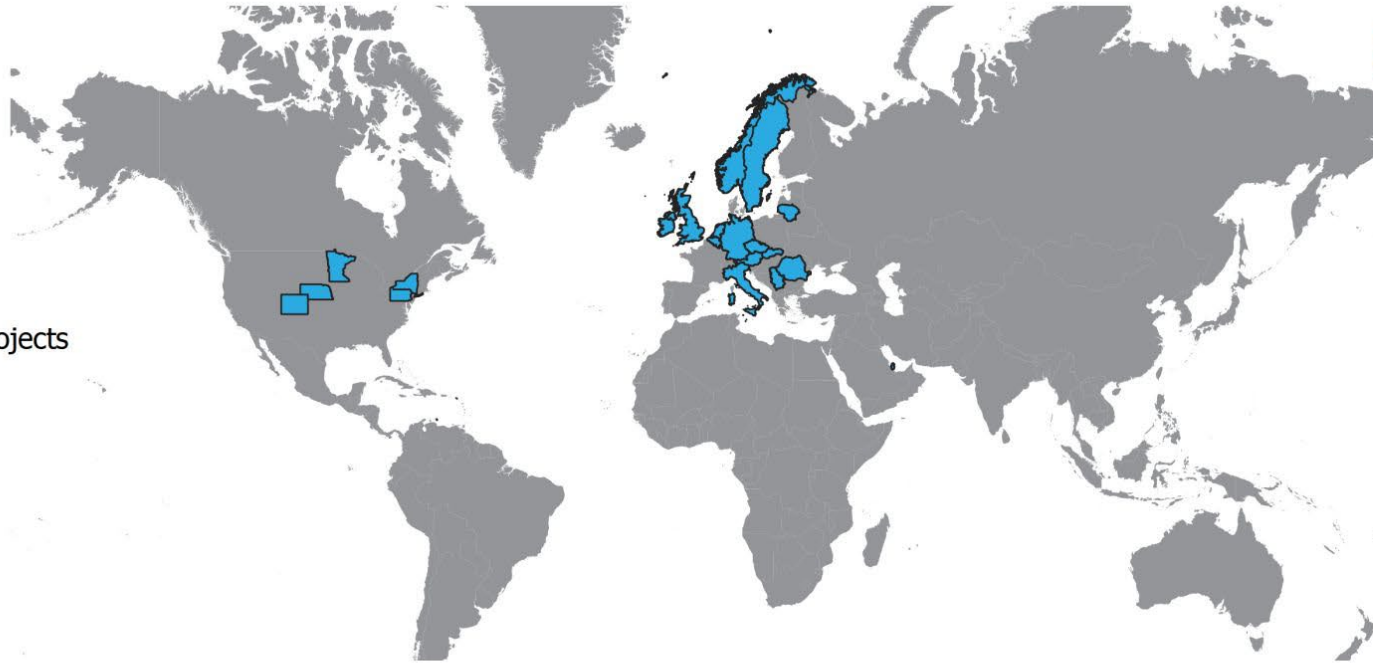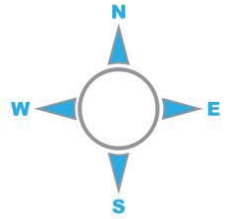
RDextractor will enable reliable extraction of data road conditions to the data users like **authorities, cadasters, operative road agencies, the automotive industry and travel agencies.** Moreover, RDextractor will provide an automatic extraction inventory of road infrastructure and trees, which will significantly distinguish us from our competitors and fill the existing gap in the market.

Our initial targets are local authorities of the cities with a population of 300k+, cadastres, and operative road agencies of **Germany (23), Italy (13), Austria (2), Norway (2), and the UK (25)**, the markets where we were already established as a reliable partner.

Monthly fees for different membership types will range from **10.000** to **20.000 EUR**, depending on the needs of the client and of how many kilometers of roads they plan to inspect.

DATADEV

DataDEV Projects

TEAM

The right mix of passion and experience

dr Dejan Vasic

Business

CEO-Founder

Tijana Susnjar

Business

CMO

Marina Davidovic

Advisor

*Research Associate
Department of Civil Engineering*

Jovana Babic

Technical

*Head of Initial
Processing Department*

Ljubisa Jurosevic

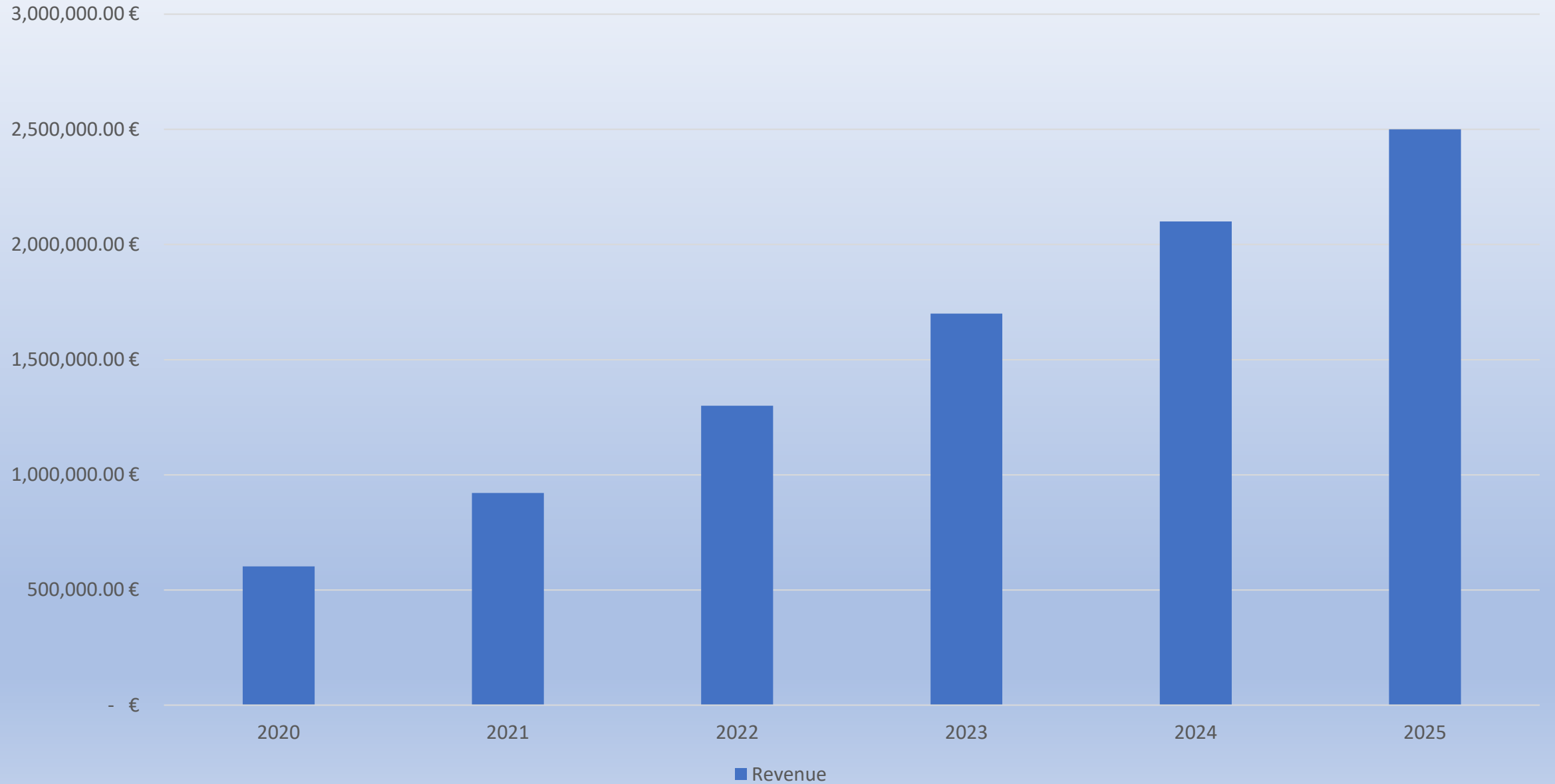Technical

*Head of Point Cloud
Registration Department*

Vahid Aghajani

Technical

AI Expert

Competition

Feature	DataDEV	https://xenomatix.com	www.lehmann-partner.de	https://www.geolantis.com/	https://peregrine.ai/
User Interface	TRUE	True	True	True	True
Platform	Web base	Windows only	Windows only	Web base	Web base
Blurring	TRUE	FALSE	TRUE	False	TRUE
Point cloud viewer	TRUE	FALSE	FALSE	False	FALSE
Traffic sign extraction	TRUE	FALSE	FALSE	False	TRUE
Traffic lights extraction	TRUE	FALSE	FALSE	False	FALSE
Road defects extarction	TRUE	TRUE	TRUE	False	FALSE
Web GIS tool	TRUE	No	Partly	True	Partly
Cloud Support	Yes	No	No	Yes	Yes
Level of integration with other software	All GIS softwars (QGIS, ArcGIS) can connect to the database and visualize the result	-	-	-	-
Scalability	High	High	low	Low	low
Support	Avialble	Avialble	Avialble	Avialble	Avialble
Customization	High	low	low	low	low
Road Height Analysis	TRUE	TRUE	TRUE	False	FALSE
Report Generation	TRUE	TRUE	TRUE	TRUE	TRUE