Pitch of the Project Proposal
EVAI Charge Location Optimization

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EVAI Charge Location Optimization

AI enabled E-vehicle charger location optimization

The current project tries to answer challenge of finding optimal locations for E-charges with a new and innovative technology solution by leveraging the power of location-based data and AI.

Over 2.000 new public chargers to be installed EVERY day in the EU till 2030.

Finding optimal positioning is simultaneously a public policy question and growing market segment.
Organisation Profile

HolictiCRM (2014) is a consultancy specializing in AI & ML.
GeoX (1998) GIS solutions and spatial data provider

HolictiCRM - GeoX joint AI + GIS projects include:

- European Space Agency
- Space for Sustainable Financial Activities (2022)
- Machine Learning to model EGNOS performance prediction (2020-2022)
- Electric Vehicle Optimal Charging Location (2019-2021)
- Retail store optimal location and format identification for MOL gas stations (2019-2021)
- Predicting number of customer branch visits for OTP bank (2016)

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Proposal

Introduction

Input data from customer

Historical performance data for EV charging locations

Candidate locations

Built-in data sources
- EV penetration
- sociodemographic data
- POIs
- competitors
- traffic flow and volume
- land use
- satellite images

Training Machine Learning models

Hypertuning by Reinforcement Learning

EV-charging performance heatmap

Scoring location

Result

Analysis As A Service for EV charge location optimization

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Proposal

Introduction

Outcome
• The project outcome will be a service (Analysis-As-A-Service) that can provide location analytics to business or public sector customers

Impact
• support spread of e-mobility through reduction of capital risk associated with investing in e-vehicle charging networks
• provide a high value-added data driven business tool for charging point operators and public planners
• provide a faster and more reliable site selection for ev charging points

Timeline
• project length is estimated at 18 months

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Partners

GeoX, Hungary – GIS solutions, spatial data expertise
HolistiCRM, Hungary – Artificial Intelligence and Machine Learning

We are looking for partners who complement our know-how and geographic coverage:

- **E-vehicle charging industry experts**
- **Smart city service providers**
- **Smart transport experts**
- **Smart energy experts**
- **Proptech experts**

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Contact Info

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Presentation available via:
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