

Dutch company offers software platform for charge point operators and electric mobility service providers (charge cards) for electric vehicles

Summary

Profile type	Company's country	POD reference
Technology offer	Netherlands	TONL20230419003
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance	• World
Contact Person	Term of validity	Last update
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General Information

Short summary

A Dutch company offers an advanced cloud-based platform for easy charging network management. They are looking for partnerships with charge stations operators, electric mobility service providers (companies that provide charge cards to electric vehicle drivers), or other parties such as cities, regions, provinces and network organisations interested in electric vehicle/truck/bus charging to implement the companies platform or in the framework of a research and development project.

Full description

This company develops a cloud-based software platform to manage charge stations and charge cards. Everything is cloud-based, meaning all of their services and tools can be used and adopted on charge stations online, without the need to physically go to a charge station.

They develop tools and services in five categories, these are:

- Asset management - ensuring proper two-way communication with charge stations with insightful diagnostics of charge stations. Easily manage who has access to charge stations and what the opening times of charge stations/locations are.
- Billing - facilitating in all payment streams. From EV driver to electric mobility service provider (Retail billing), from

electric mobility service provider to charge point operator (Wholesale billing) and potentially from charge point operator to location owner (Reimbursement billing). They supports here in the easy set-up of billing rules with flexibility in tariffs. With this, parties can use various basic tariff structures (energy-based, time-based, parking fee) and tailor these with the use of thresholds or different time blocks. Finally, they offer multiple payment methods to pay for charge sessions.

- Roaming - there are many different charge point operators and electric mobility service providers throughout Europe. With roaming agreements with many of these parties, these agreements can be used, so that charge stations and charge cards are open to a wide network through all of Europe.

- App for electric vehicle drivers - they have developed a mobile phone app for electric vehicle drivers that is continuously improved and updated (Charge Assist, available in App Store and Google Play Store). EV drivers can use it to find charge stations, view information about charge stations, start and stop a charge session and to pay for charging.

- Smart charging - They also offer multiple cloud-based algorithms to perform energy management on charge stations. These algorithms can be used to optimally use the grid connection whilst making sure the connection is never overloaded and to smartly schedule charging to minimize for CO2 emissions and/or costs. In the energy management, electric vehicle charging behaviour, user needs, local renewable energy generation and local energy needs are taken into account.

Advantages and innovations

- Cloud-based management including smart charging for charge stations based on open protocols. Advantageous of this are that an unlimited amount of charge stations and different brands can be combined, updates in the algorithms are applied to charge stations in real-time and that inputs from multiple sources can be taken into account.

- Cloud-integrations with contactless payment terminals to enable onsite debit and credit card payments.

- State of the art billing system that enables complex tariffs that are presented in a transparent way to electric vehicle drivers.

- ISO15118 Plug&Charge enabled: meaning on certified locations EV drivers can plug-in and will automatically start charging when they have this enabled.

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

IPR applied but not yet granted

Sustainable Development goals

• **Goal 7: Affordable and Clean Energy**

• **Goal 9: Industry, Innovation and Infrastructure**

Partner Sought

Expected role of the partner

The company is looking for companies that are interested in a cloudbased platform charging stations to facilitate easy and high quality management of charge stations and charge cards, so that EV charging is user-friendly and the impact on the electricity grid is managed in a smart way. They are looking for commercial agreements with technical assistance with charge stations operators and electric mobility service providers, companies that provide charge cards for electric vehicle drivers operators.

As this Dutch Charging point software specialist is already active in multiple European and national subsidy projects to boost development of new technologies they are always open for discussion with potential new partners for new subsidy projects.

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

- **SME 11-49**
- **Big company**
- **SME 50 - 249**
- **SME <=10**
- **University**
- **R&D Institution**

Dissemination

Technology keywords

- **01004003 - Applications for Transport and Logistics**
- **004006001 - Energy management**

Market keywords

- **02007001 - Systems software**
- **02007005 - Communications/networking**
- **02007002 - Database and file management**
- **02007003 - Operating systems and utilities**
- **02007007 - Applications software**

Targeted countries

- **World**

Sector groups involved

- **Renewable Energy**