

Open Protocols Are the Basis of the Most Cost Effective Charging Infrastructure

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Abstract: First of all open standards contribute to interoperability. By using open standards the (digital) communication between different actors improves.

In addition, open standards ensure that freedom is guaranteed. Open standards are by their very nature, not software-specific and can be installed by each supplier. They are necessary for achieving vendor independence.

This leads to high-quality and cost-effective information exchange.

Open standards involves creating and applying agreements on specifications of the interfaces between the co-operating applications, services, systems and networks. Characteristic of open standards is that there are no barriers to the use of the standards.

Besides vendor independence and interoperability Open standards also lead towards transparency, accountability and manageability. This is also a very important aspect in the development of the 'smart ecosystem'. Different building blocks e.g EVSE development, smart charging, smart grids, smart energy, smart traffic, etc. have to come together one day.

BRIEF BIOGRAPHY

Arjan Wargers is responsible for Innovation and Development in the area of EV charging infrastructure at the e-laad Foundation. This means innovation of the e-laad back-end system, making sure that this system is state-of-art and allowing open innovation (for third parties) by creating and aligning international open interfaces. Arjan is responsible for specifying and purchasing the charging stations which are installed in The Netherlands. In this area, Arjan is also making sure that 'open innovation' and maximal cost efficiency is reached. Arjan has great knowledge of all relevant EV aspects, from technical interfaces to market model development and clearing and settlement. Arjan Wargers contributed to the European standardization of EVSE's and (further) development of open 'EV-protocols' such as OCPP, OCHP and OSCP, and was also responsible for the creation of an European 'roaming organization' (e-clearing.net). Arjan supports innovation through knowledge sharing, transparency and implementation of innovation projects.