



# Plug&Charge based on ISO15118 for your business

## Basic Training

**This training will explain the principles of Plug&Charge, the benefits of integration in your business, and a practical approach of implementing Plug&Charge based on the ISO15118 standard in your business. This training is strongly based on the implementation guide, which was developed in collaboration between CharIN and Hubject.**

### WHAT YOU GET:

- » Background information, objectives, and benefits for Plug & Charge based on ISO15118
- » Understanding the different roles in the ISO15118 ecosystem
- » Facilitate and derive your position in or in between these roles
- » Learn about the impact on the e-mobility ecosystem (OEM, CPO, MO, new market players)
- » Understanding the necessary processes of Plug&Charge and the ISO15118 ecosystem, and the VDE Application Guide
- » Identify your investments, possible new business models and strategies, involved with Plug&Charge and ISO15118

### HOW:

In our interactive lecture format, you will be working on engaging real-life examples together with a Hubject expert, who has years of practical experience in designing and realizing Plug&Charge services based on ISO15118.

### YOUR TRAINER: Jonel Timbergen, Steffen Rhinow



Our training partner Hubject is an eRoaming platform for customer-friendly charging of electric vehicles.

**Jonel Timbergen:** A senior project manager specialized in e-mobility protocols and ISO 15118. Multiple years of experience with vehicle OEMs, utilities and service provider. Working on Plug&Charge with ISO15118 since the beginning.

**Steffen Rhinow:** A Senior Consultant with several years of experience in consulting OEMs in the area of e-mobility. Project Management with a problem solving approach.

### WHO SHOULD ATTEND:

Managers, product designers, entrepreneurs, technology consultants; anyone interested in the field of Plug&Charge.

As this is an introductory course, all participants are welcomed. A prior more detailed experience in the field is not necessary.



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### AGENDA:

**Introduction and definition of expectation of this technology**

**Buzzword Bingo – What do you already know about the ISO15118 technology, Plug&Charge, smart Charging and value-added services?**

**Understanding the relevant roles and components of Plug&Charge**

**Understanding the ISO15118 ecosystem and the required processes**

**Key Benefits for the e-mobility Partners of Plug&Charge based on ISO15118**

**Discussion of the central question: How will Plug&Charge redefine the customer journey? How will it affect your business?**

**Identify potential innovation impulses for your existing business model**

**Discussion of required investments to implement Plug&Charge**

**How did we build the first running ecosystem – Outline of a practical example**

**Key hurdles and strategies for implementing Plug&Charge**

**Impact on the EV ecosystem and what would be next steps for you?**

**Wrap-up**

### COSTS:

In-house trainings upon request.

Price and booking:

CharIN member: € 1170,00 (excl. applicable VAT)

Regular: € 1790,00 (excl. applicable VAT)

[www.charin-academy.com](http://www.charin-academy.com)



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