

CREATING NEW ELECTRIC MOBILITY SERVICES through

INNOVATION

INTERCONNECTION

DIGITALISATION

Plug&Charge ISO 15118

ISO 15118 enables simple and intelligent charging

EVS 30, Stuttgart October 2017
Christian Hahn

HUBJECT
connecting emobility networks

An aerial photograph of a city, likely Copenhagen, showing a river in the foreground, several large white buildings, and a construction site with multiple yellow cranes in the background under a blue sky with scattered clouds.

AGENDA

- Overview over ISO 15118
- Market roles
- Challenges of the ISO15118 ecosystem
- Q&A

THE ISO 15118 ECOSYSTEM MAKES IT SEAMLESSLY POSSIBLE THAT THE COMMUNICATION BETWEEN THE EV AND CHARGE POINT ENABLES

1

Seamless authentication, authorization and billing using Plug and Charge functionalities

2

Numerous smart charging options by the use of charging schedules and profiles for load levelling purposes

3

“Value added services” for e.g. smart charging or payment opportunities

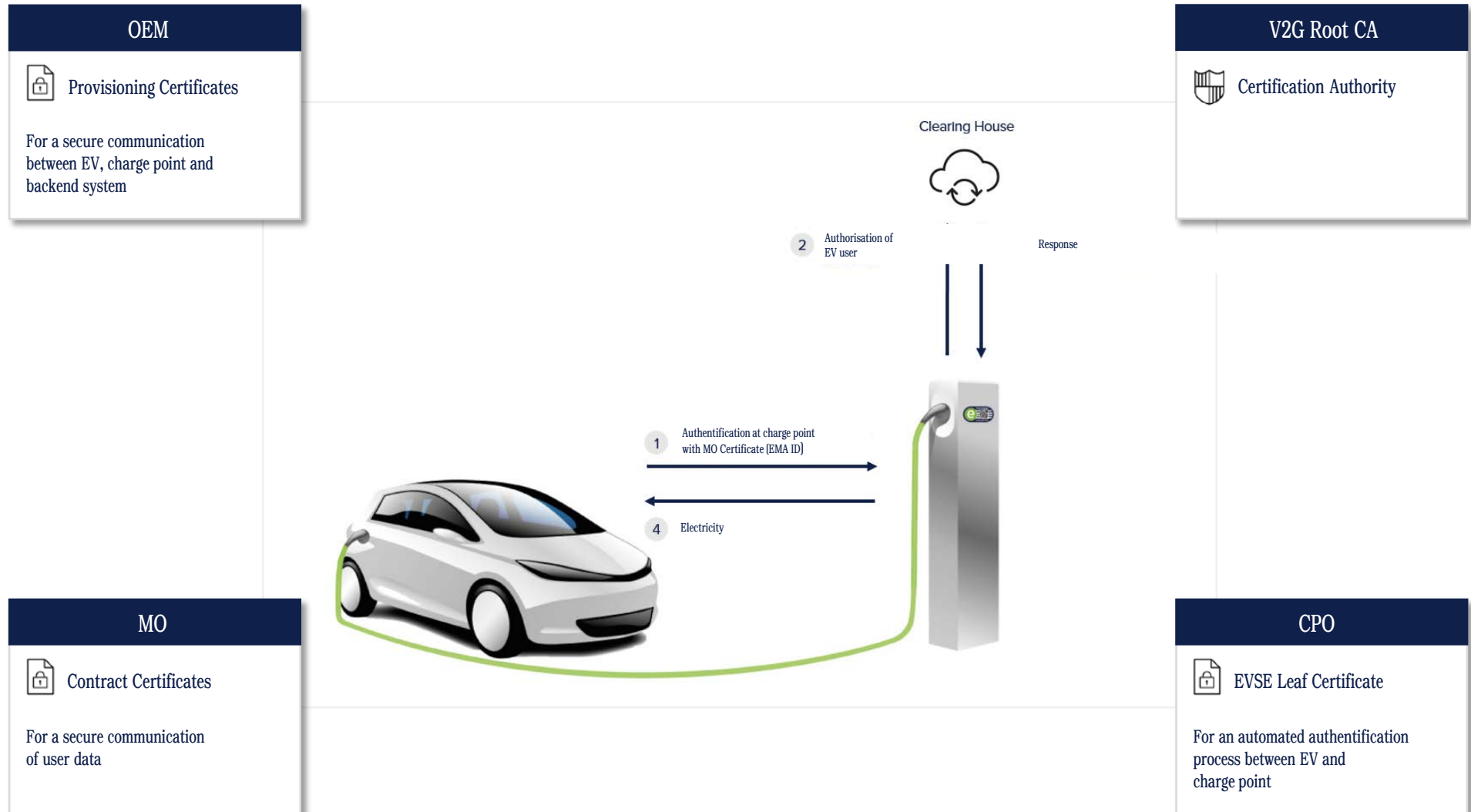


ISO15118 explanation video

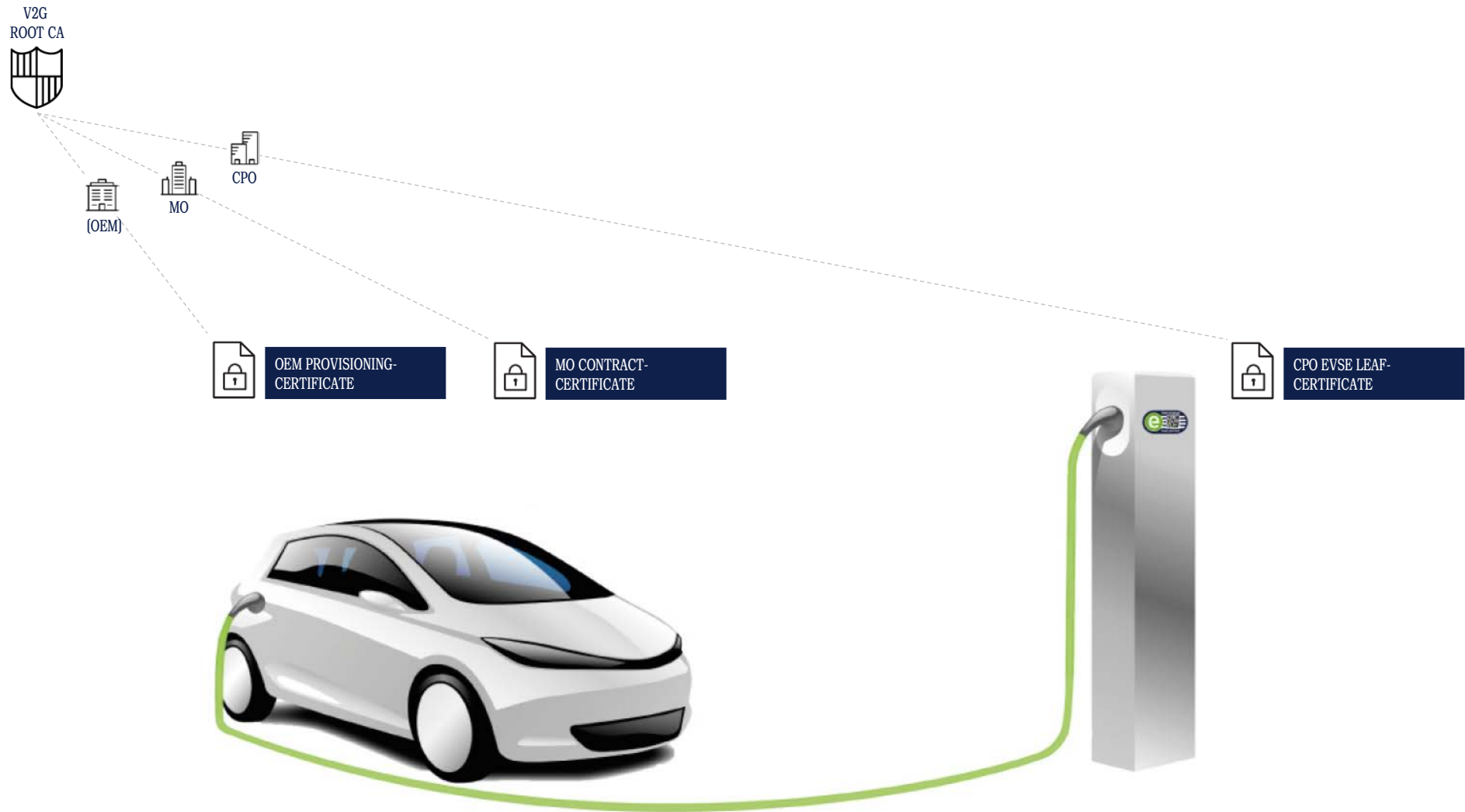
<https://www.youtube.com/watch?v=JktVPhlw5bM>



IN ORDER TO ENABLE A SECURE END-TO-END COMMUNICATION PROCESS, A JOINT POSITIONING OF ALL PLAYERS IS NECESSARY



TO ENABLE A FAST ROLLOUT OF ISO 15118 A JOINT APPROACH BY ALL MARKET PLAYERS IS CLEARLY NEEDED



CHALLENGES OF ISO15118

OPEN MARKET CONSENSE

- Needs do be discussed (DKE Technical Guideline, Mandatory Implementation)
- Charging infrastructure provider sill needs to be convinced

AVAILABILITY OF THE TECHNOLOGIY

- # of market ready solutions still small
- Development is driven by HPC and DC charging networks – what´s about AC and private charging

PRODUCTS, CARS, CUSTOMER

- Rollout of services and EVs and services are still not yet fixed
- Switching to ISO15118 is not yet agreed by all car manufacturers

POLITICAL IMPORTANCE

- interoperability and digital seamless access needs to become International/ European standard driven by regulatory requirements and funding projects (s. Germany, s. USA)

CREATING NEW ELECTRIC MOBILITY SERVICES through

INNOVATION

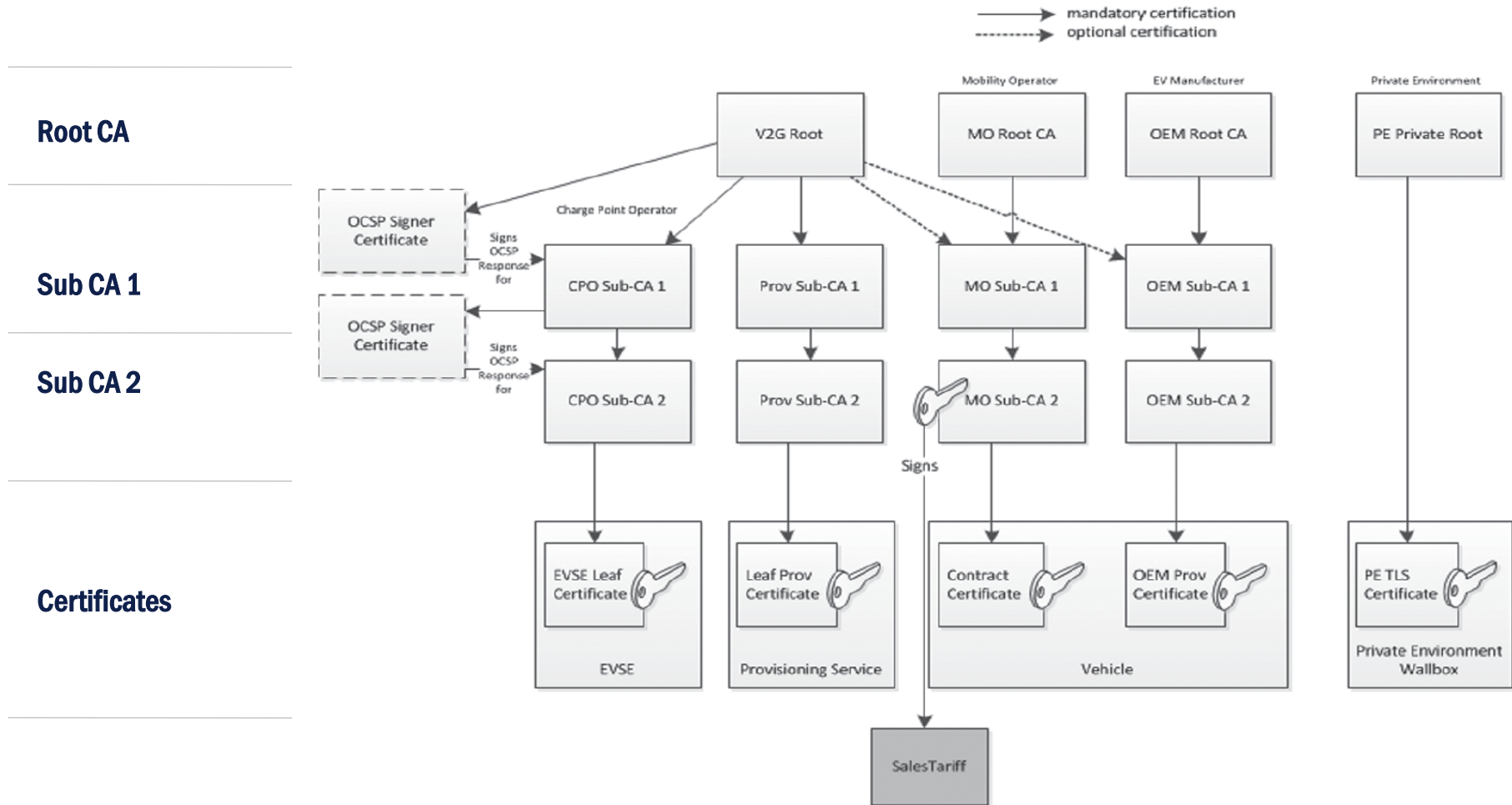
INTERCONNECTION

DIGITALISATION

THANK YOU



THE V2G ROOT CA OPERATED BY HUBJECT TAKES ALL RELEVANT ROLES OF THE ISO 15118 ECOSYSTEM – CPOs, OEMs, MOBILITY OPERATORS – INTO CONSIDERATION



HUBJECT SUPPORTS YOU ACROSS THE ENTIRE ISO 15118 ECOSYSTEM

