

מדרש

E-mobility in Finland

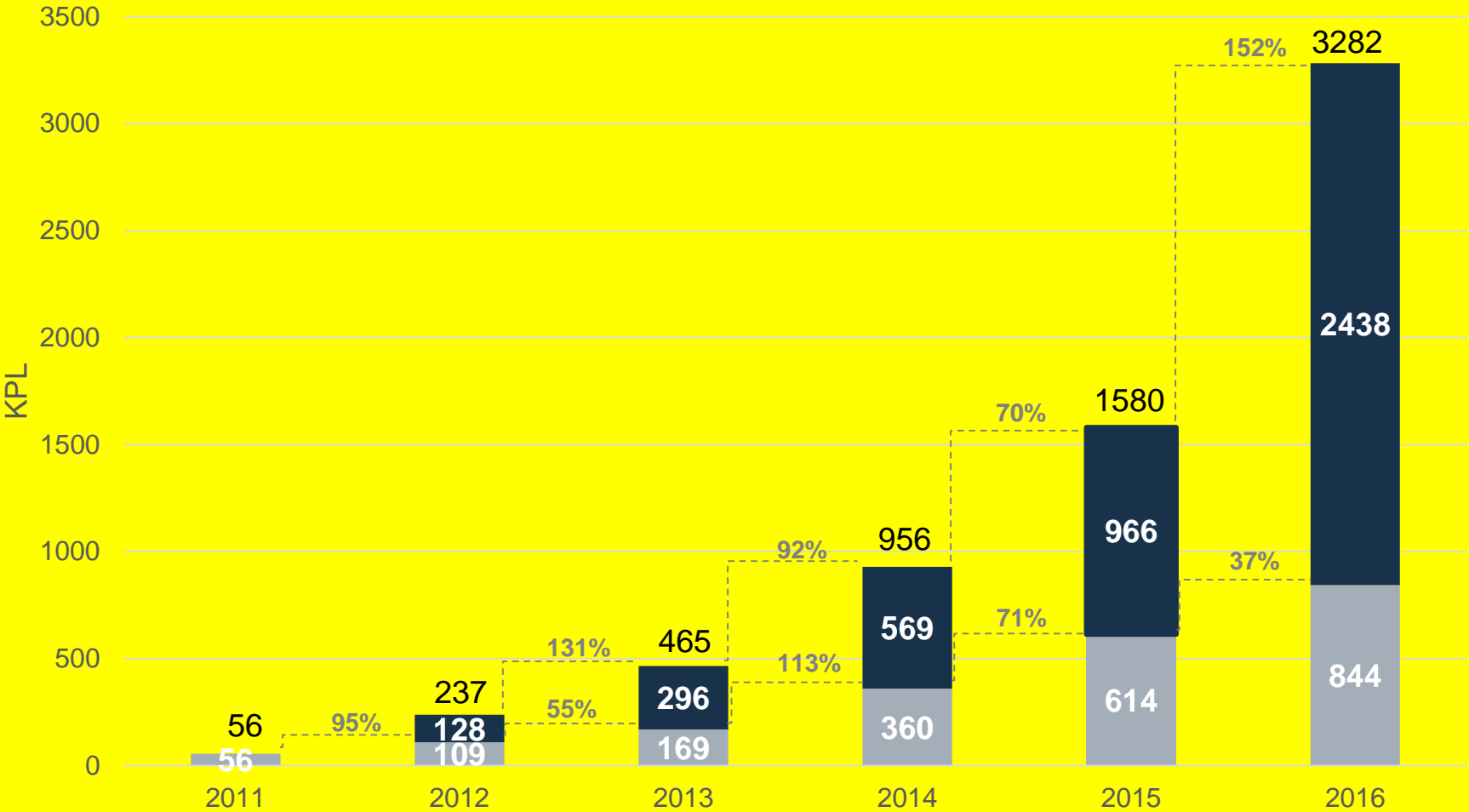
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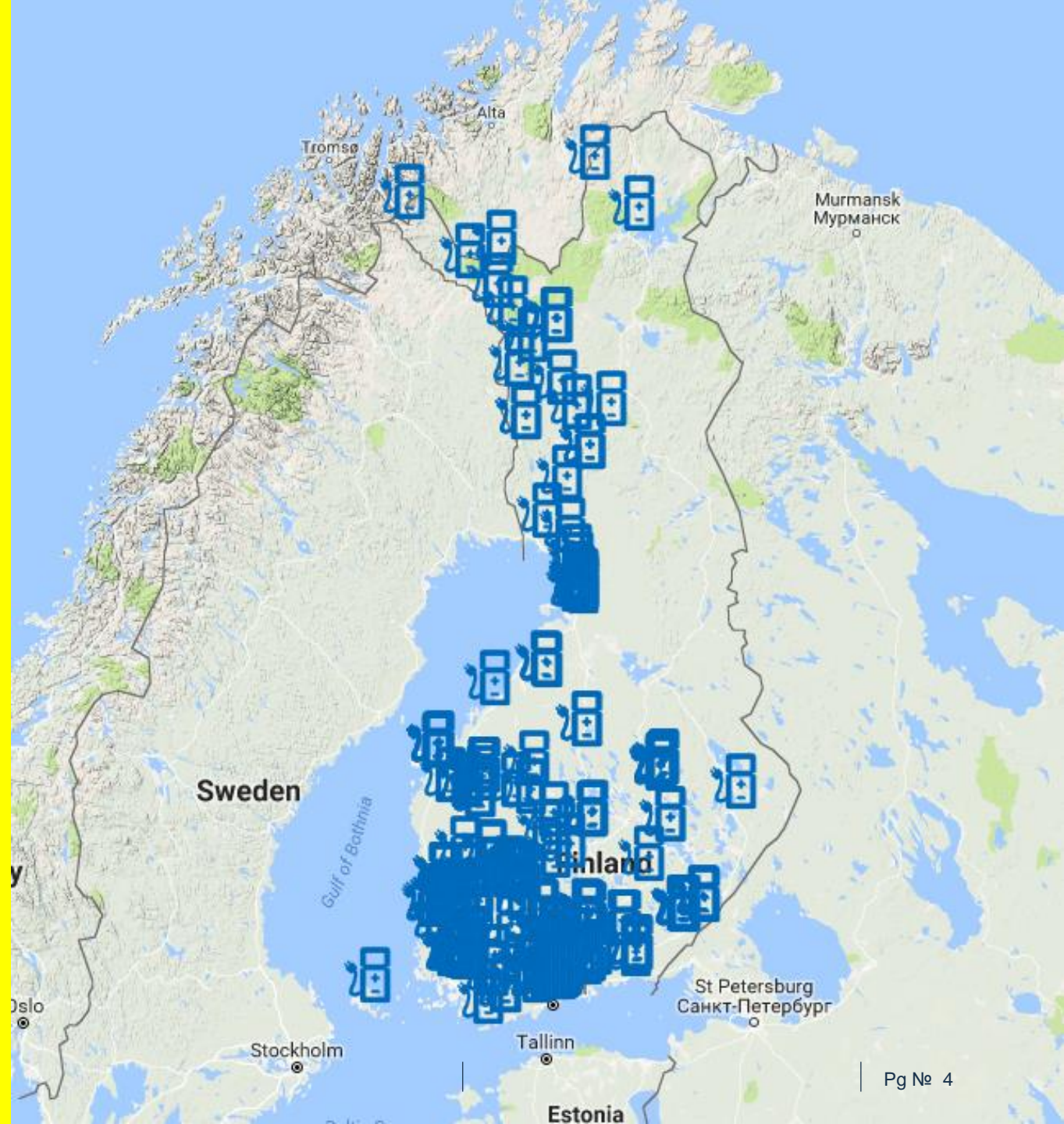
Development of BEV and PHEV stock 2011-2016

NUMBER OF BEV AND PHEV IN FINLAND 2011-2016

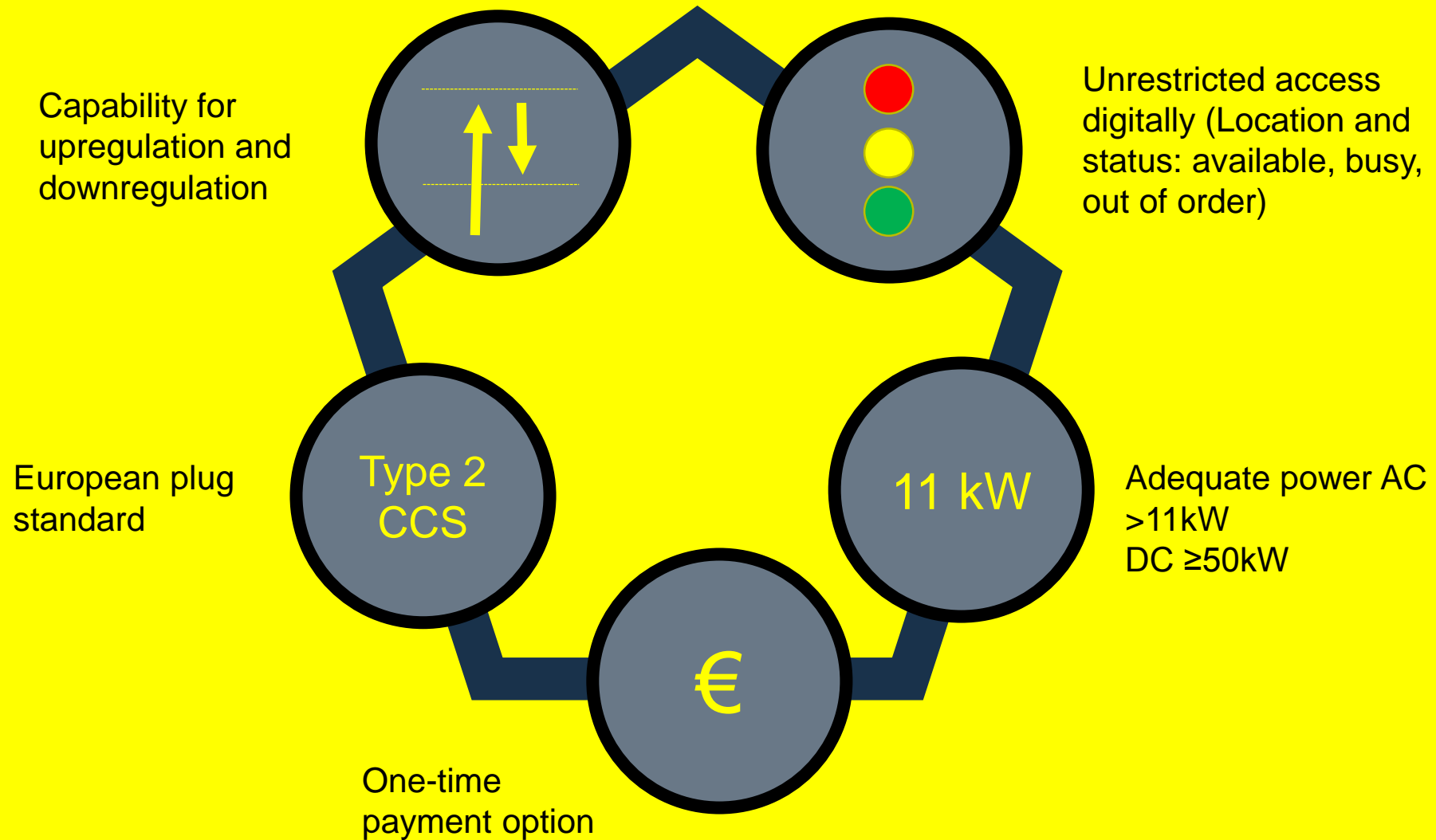


The public charging network in Finland

- Network focused around high population density areas in Southern Finland
- Government subsidies are boosting investments in less developed areas



Public charging implementation in Finland (Subsidy programme for 2017-2019)

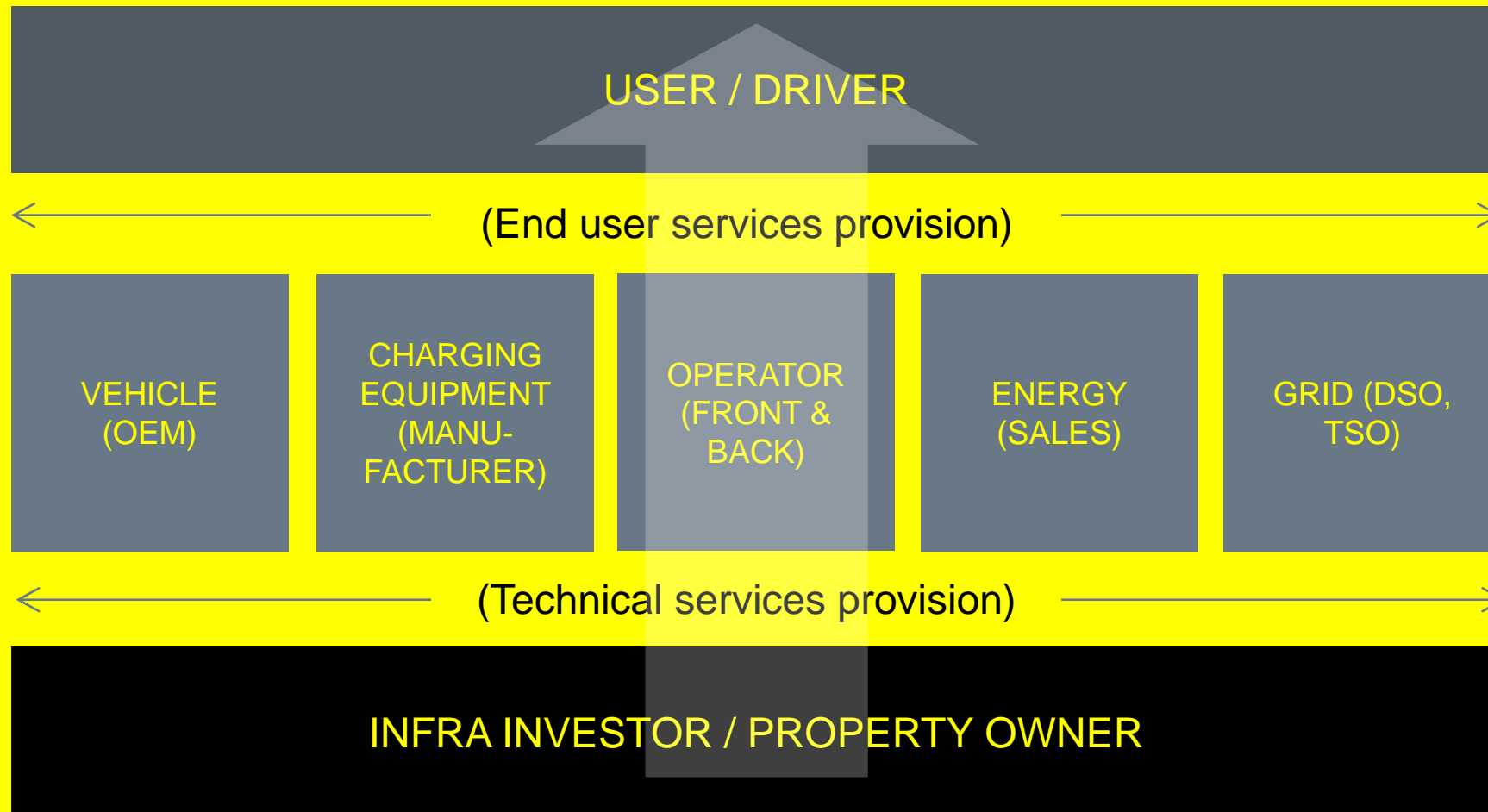


Finland introduces a definition of intelligent charging as a law (HE 25/2017, 3§6)

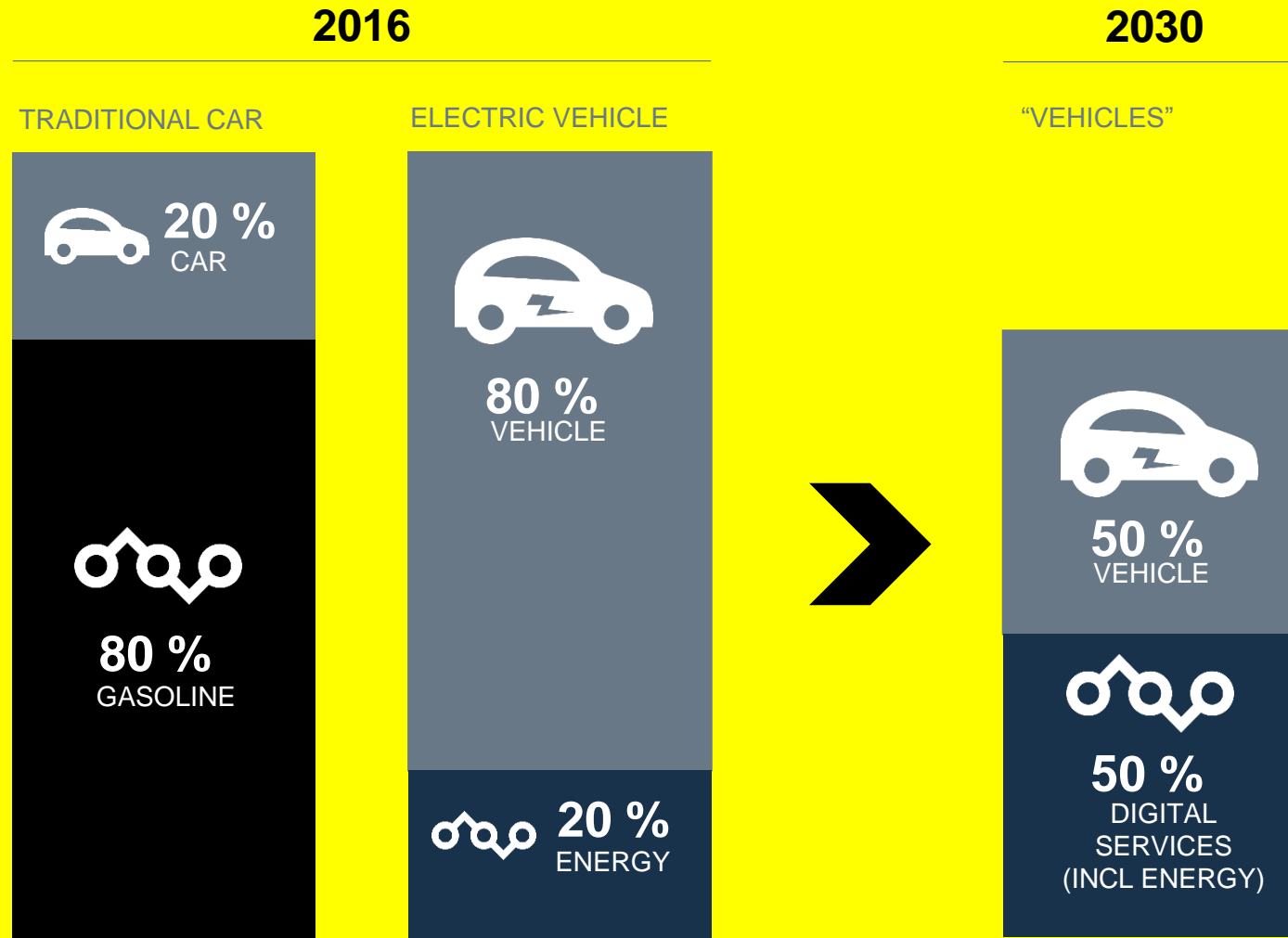
- a) **Standardized plug and real time communication between the car and the charging point** (IEC62196, TYPE2, MODE3 or more sophisticated) and
- b) **Real time communication between the charging point and the charging operator** (not standardized, de-facto standards include e.g. OCPP, OICP OCPi, future standard ISO 15118) and so enabling
- c) **The real-time management of the charging event** by means of upregulating and downregulating the power without interrupting the charging event.



Who should control the charging value chain?



The Estimated Split Between Opex And Capex Of The Vehicle In 2016 and 2030



Run your own EV charging business.

Elias Pöyry
CBO
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