

# EV charging flexibility and integration to the energy markets



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Head of Business Development at AMPECO







### The EV charging platform of choice for large-scale EV Charging Providers

#### FROST & SULLIVAN **PRODUCT LEADERSHIP AWARD 2022**



Pres

7.1 kW

#### Trusted by customers worldwide

120+ Customers 65K+ Charge Points **4.6M+** Charging Sessions in 2022 **90+** Team Members

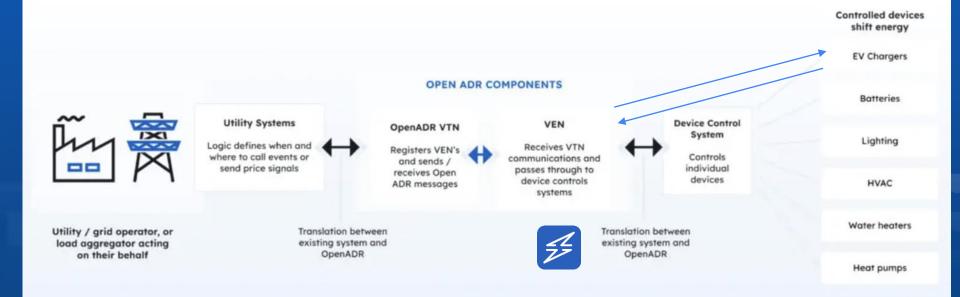
# 16M EUR in funding in 2022 ensures we will keep growing with our customers.



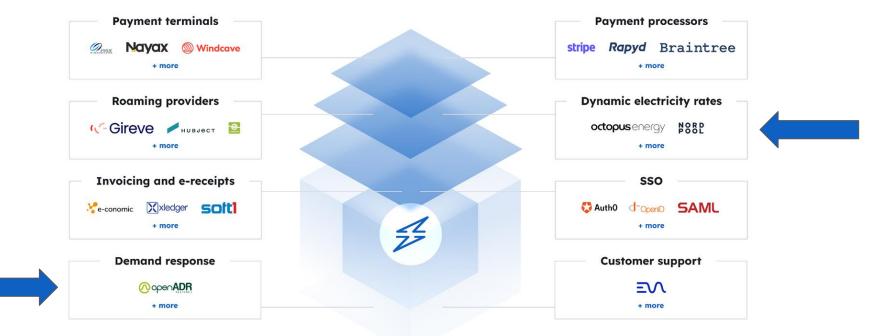
#### We cover all charging use cases



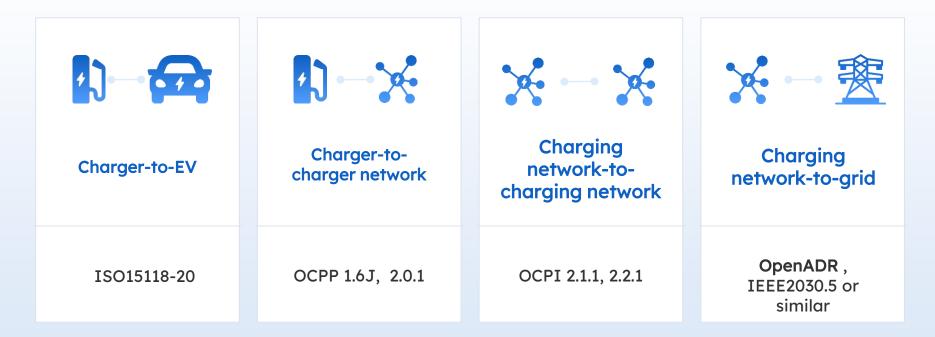
## **AMPECO and OpenADR**



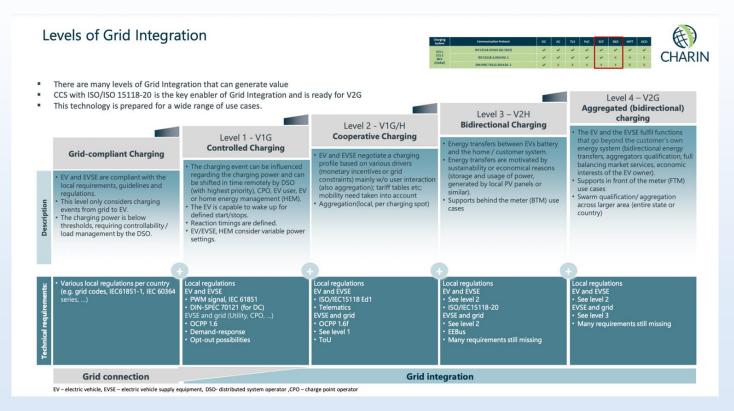
#### Partner (API) integrations bring ecosystem benefits



#### EV charging interoperability aspects



#### Levels of grid integration



## **Energy markets integration**

#### Static scheduling examples

- Schedule is set by the EV Driver (usually) or via the operator (rare)
- Usually takes into account peak, off-peak, shoulder
- In UK predefined hours by the regulators as a default setup for all charge
- In Israel different prices during time of day and varies during period of the year

× но	ome Charger 7	kW ද
19:18	23:30	07.30
SCHEDULE	D CHARGING (KI	EEP-AWAKE)
Power.	Energy:	Duration:
7.1 kW	0.31 kWh	18 min
Boost Charge	Change Schedule	CU Stop Now
Ų		i

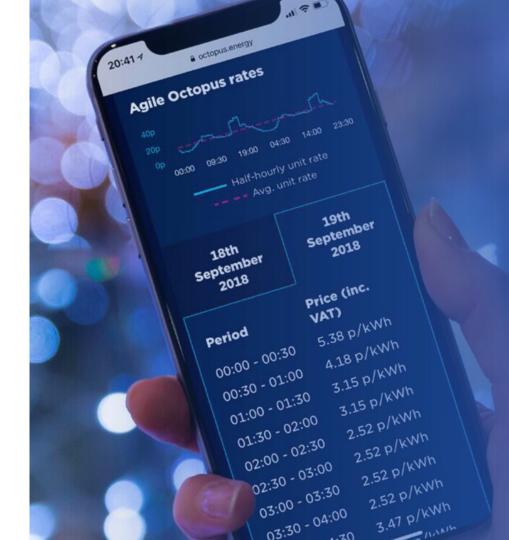
#### CASE STUDY





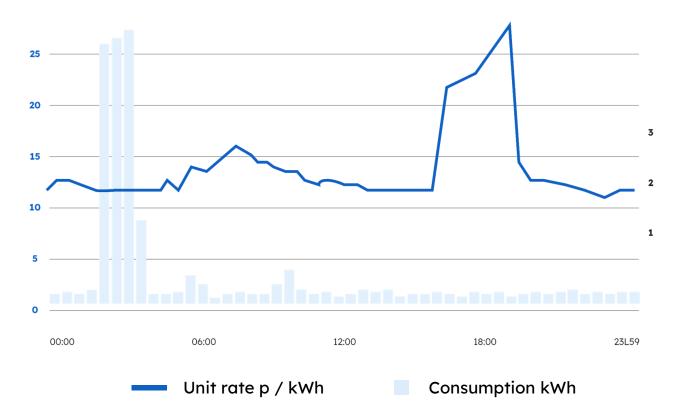
### Agile Tariff for EV Charging

- AMPECO reads pricing data via API every day for next 24h
- EV Driver sets preference based on price threshold
- AMPECO platform modulates the charging process based on the set parameters
- EV Drivers benefits directly via reduced energy bill





#### Schedules based on ToU tariffs



### **Day-ahead & Intraday rates**

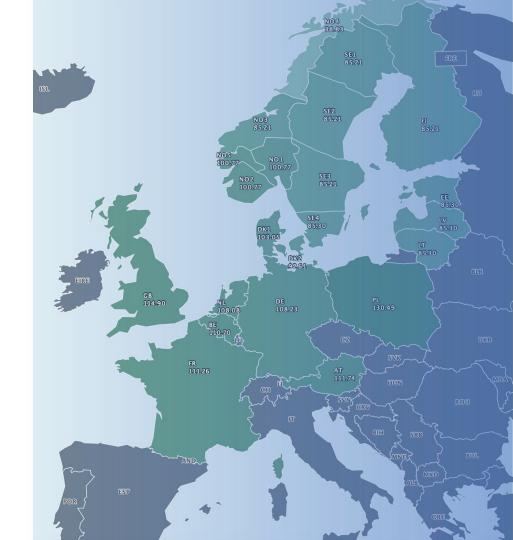
*★* AMPECO

CASE STUDY

AMPECO partnering with NordPool in Europe

NORD POOL

- Day-ahead dynamic electricity rates via API
- AMPECO ability to auto-optimize charging at lower costs
- Network operators using AMPECO platform can bill EV Drivers based on market price + markup
- Becoming the norm in the Nordics -Denmark, Sweden, Norway and the Baltics





#### Let's connect!

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