Accenture Industry X.0

MANAGING THE CHARGING OF ELECTRICAL VEHICLES

WHO WILL OWN THE EV CHARGING CUSTOMER?





GRID COMPANIES & RETAILERS



AUTOMOTIVE OEMS



LARGE SUPERMARKETS



- Utilities already sell electricity to businesses and customers
- Increased demand for EV chargers at home, at work and on the go
- Increased demand for electricity on the grid

- Producing EVs but don't know how their customers use them
- Poor customer experience of charging
- Tesla have shown a new model of ongoing consumer interaction
- Customers moving away from purchasing ICE fuel
- Ultra fast chargers able to charge 75 miles in 5 mins
- Lots of real estate sites in place for ICE vehicles
- Have large car parks and existing EV charge post infrastructure
- Moves to make the industry more sustainable
- Customers are fickle with their loyalty to supermarkets

HOW MIGHT WE

- Provide energy holistically across home and car?
- Help business adjust to EVs?
- Help existing customers switch to EVs?
- Manage the grid in 2030/2050?
- Engage with our EV customers beyond sale?
- Make travel part of the client experience?
- Keep our customers as they switch from ICE?
- Leverage our existing retail sites?
- 'clean up' our brand?

- Make better use of our EV infrastructure?
- Find out more about what our customers want and need?
- Retain our customers and build loyalty?

MARKET ROLES IN THE PUBLIC CHARGING MARKET





Roaming

СРО

Objective: service the end user (EV driver)

Qualities (amongst others):

- Billing and invoicing of charging events (indirect payment).
- Single point of contact for the EV driver.
- Authentication of drivers (RFID or other)

Objective: **Connect EMSPs and CPOs**, so EV Drivers can charge at any charge point.

Qualities (amongst others):

- Provide easy integration between CPOs and eMSPs.
- Provides open communication protocols
- Push for further standardization

Objective: operate the charging point network

Qualities (amongst others):

- Keeps network operational: maintenance, issue resolution for charge points.
- Commissioning & Provisioning of Charging Points
- Optional: Direct Payment





-chargepoin+:





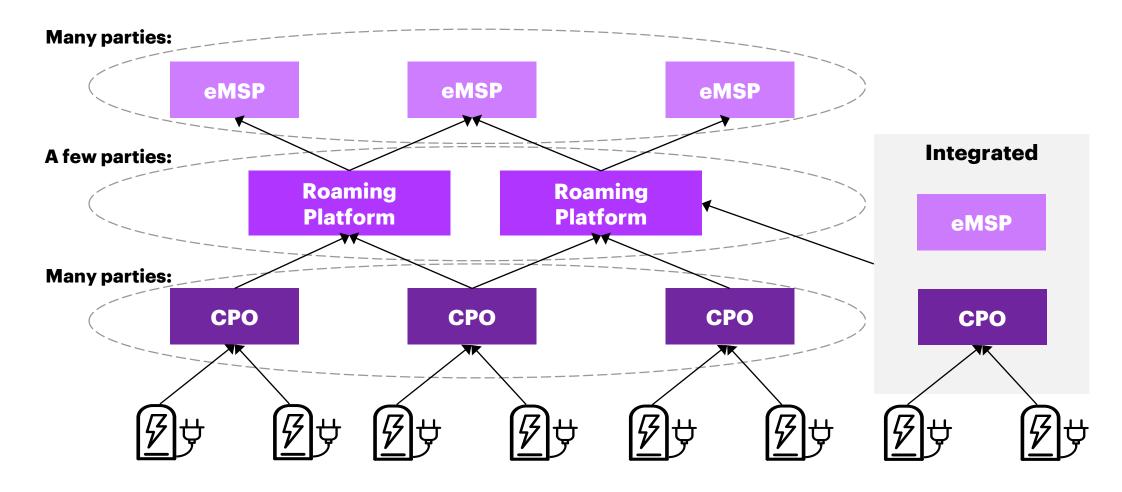
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*not exhaustive

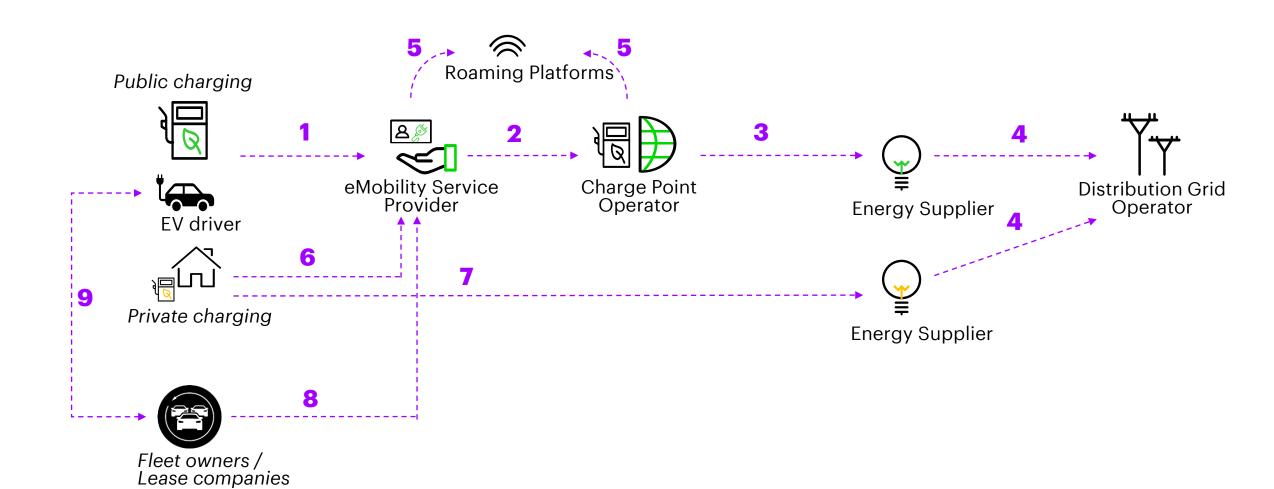
THE EUROPEAN MARKET IS FRAGMENTED





FINANCIAL FLOWS IN EV CHARGING - A COMPLEX PLAY





CAPABILITIES TO MANAGE EV CHARGING



- EMERGING SOLUTIONS

