

Next Generation EV Charging Infrastructure

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From Private to Public Charging

AC DESTINATION



PRIVATE CHARGING EVENTS
60%

- Single House
- Apartment
- Multi-dwelling/ Workplace



4 – 8 hours

DC DESTINATION



CAR PARK & DESTINATION
CHARGING EVENTS 15- 35%

- Retail and Hospitality
- Business Workplace
- Fleet (Business, Logistics)



1 – 4 hours

DC HIGH POWER

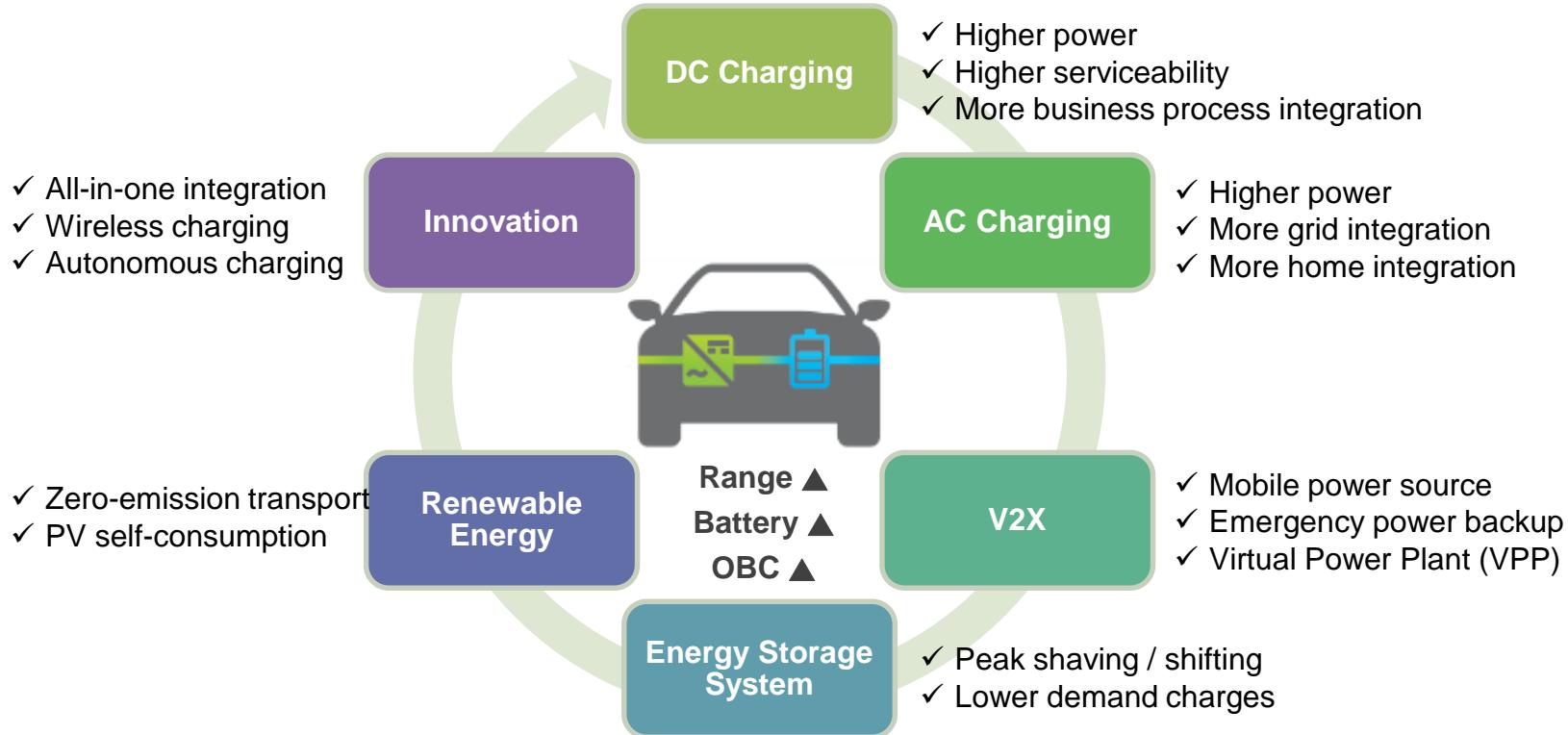


HIGHWAY CHARGING EVENTS
5%

- Parking Lot
- Service Station
- Intercity Charging Network



10 – 30 min



Make Charging Smarter

Tailoring the most suitable solution according to the actual needs of the site conditions, scale, and service level.



Renewable Energy

- Provide Clean energy
- Integrate with energy storage & energy management system to build a microgrid



Energy Management

- Manage Multiple Energy Sources
- Optimize Energy Consumption



Energy Storage

- Enhance renewable energy power quality
- Backup power
- Bi-directional; Demand-response enabled



EV Charging

- Supply electricity to EVs
- Backup power for buildings
- Bi-directional; Demand-response enabled



Make Charging More Scalable



PV Inverter



Energy Storage



Power Conditioning System



Site Management / Energy Management

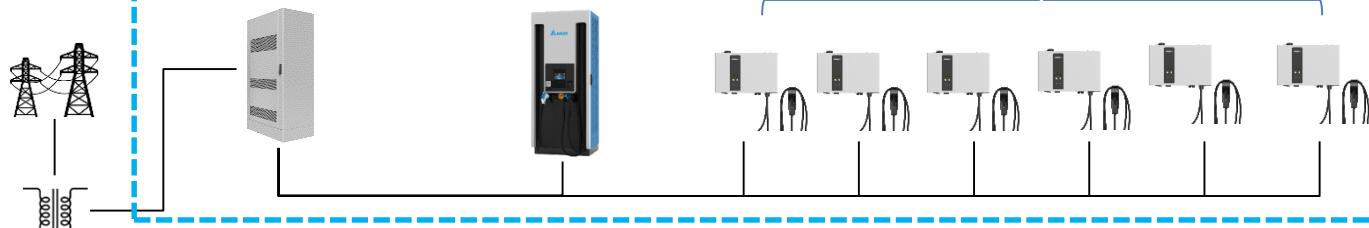
Type 1: Power Cabinet + Dispensers

Flexible charging configuration and allocation

Power Cabinet
(350-600kW)

High Power Dispenser
for emergency charging

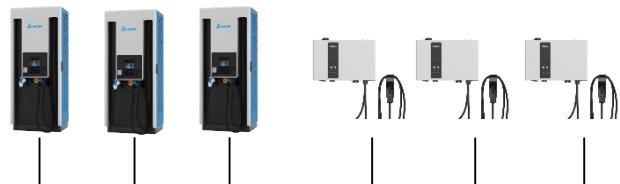
Standard Power Dispenser (50kW)
for overnight charging



Type 2: One Charger for One Vehicle

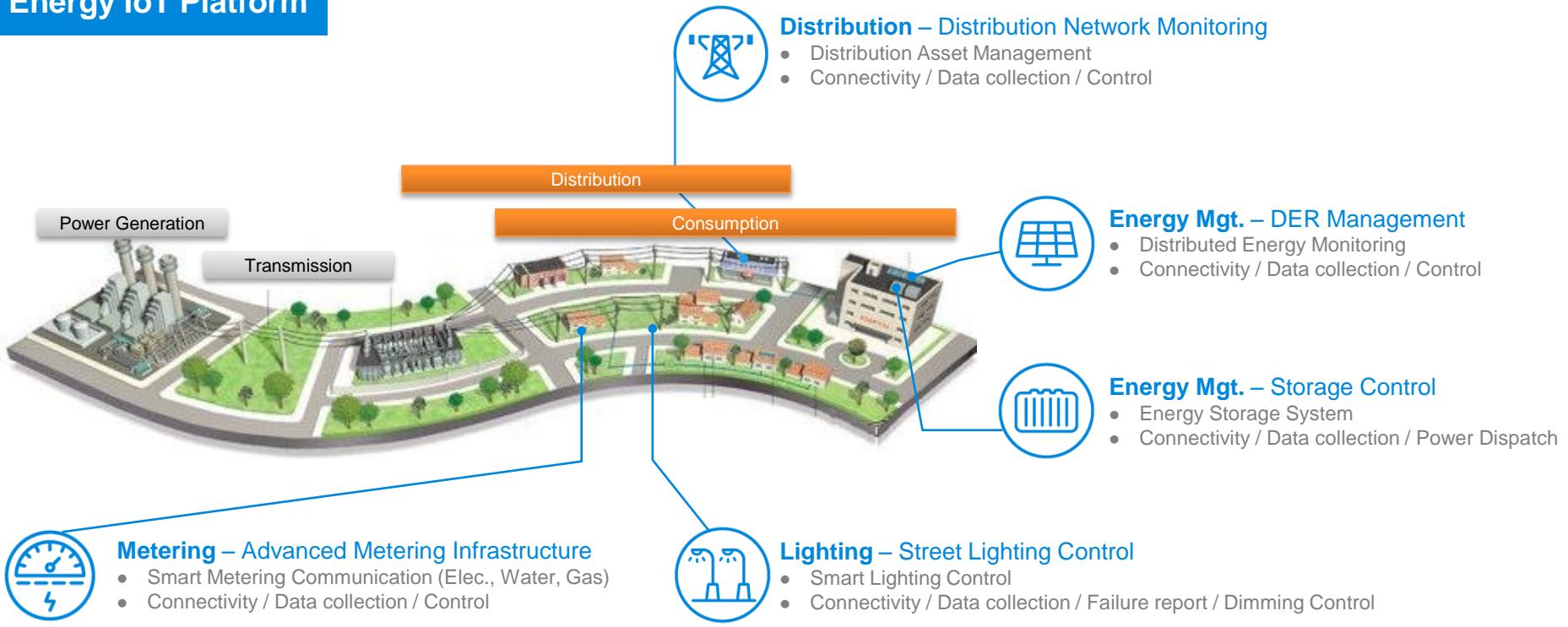
- When charging needs are always the same
- Lowest installation cost

DC Charger (25-50-100-200kW)
for overnight charging



Make Charging Connected

Energy IoT Platform





Delta Solution Overview

Established 1971.

MEMBER OF

Dow Jones
Sustainability Indices



In collaboration with



DRIVING SUSTAINABLE ECONOMIES

2014-2015

Climate Disclosure Leadership Index

2016-2017

Climate Change Leadership Level

2011-2019 DJSI - World Index
2012, 2015, 2018, 2019 Industry Leader



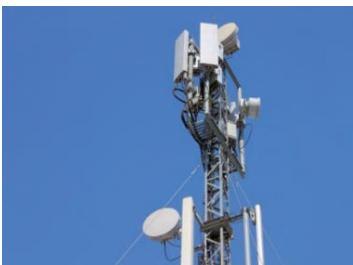
EV Charging



Renewable Energy



Datacenter



Telecom Energy



Industrial Automation



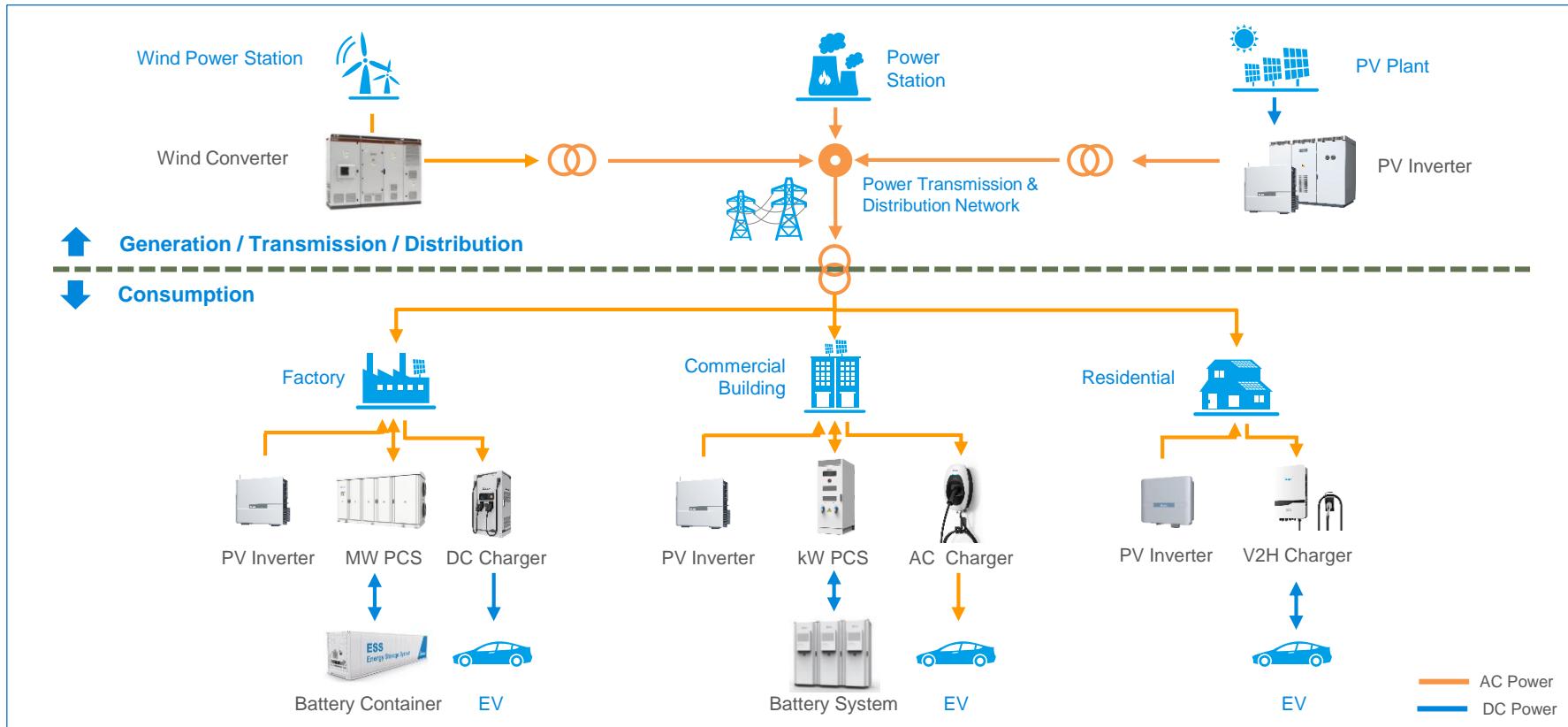
Building Automation



Display and
Monitoring



Delta Energy Infrastructure Solution



Success Cases





Polish Customer References

Tauron (utility company)

Orlen (petrol company)

PGE Bełchatów (Coal power plant)

Q22 (Skyscraper in Warsaw)

Audi and VW dealers

Mercedes headquarter

Volkswagen Group Poland (headquarter)

Ministry of Climate

EV cars dealers (VW group)

Greenway (EV Charging Solution Provider)





Sustainable Innovation Forum 2018 in Poland



Delta shares its experience in enabling low-carbon transportation at the Sustainable Innovation Forum 2018 - affiliated event of COP24

Michał Kurtyka (center), president of COP24, greeted Mr. Victor Cheng (left), senior vice-president and ICTBG's GM, and Ms. Shan-Shan Guo, the executive director of the Delta Electronics Foundation, at the Sustainable Innovation Forum.



DELTA
Smarter. Greener. Together.