POWER TO EUROPE
ESTABLISHING A EUROPEAN HIGH POWER CHARGING NETWORK

JOERG LOHR, HEAD OF WESTERN EUROPE, IONITY
OUR MISSION

- Build a European High Power Charging Network every 120 km
- Installation of 400 Charging stations by 2020 with up to 2,400 chargers
- High Power Charging up to 350 kW (CCS Standard) 7x faster than today
- Compatible with current and future electrical vehicles
- Simple and uniform access for all EV drivers
IONITY MAKES LONG DISTANCE DRIVING FOR ELECTRIC VEHICLES IN EUROPE FEASIBLE

Today

Charging at Home
Charging at Work
Public Charging

Used 80-90%
Used 5-10%

Normal and fast charging

The future according to IONITY

Charging on Highways/Motorways

Used 5-10%

High Power Charging

› Every 120 km
› Across Europe
› 4-6 chargers per site
› Up to 7x faster charging capacity
### TECHNICAL REQUIREMENTS, ACCESS AND AUTHENTICATION

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Chargers per site</td>
<td>2 – 12</td>
</tr>
<tr>
<td>Max. performance per charger</td>
<td>350 kW</td>
</tr>
<tr>
<td>Voltage range</td>
<td>200 – 920 V</td>
</tr>
<tr>
<td>Max. amps</td>
<td>500 A</td>
</tr>
<tr>
<td>Charging standard</td>
<td>CCS Combo2</td>
</tr>
<tr>
<td>Transformer capacity</td>
<td>1.25 MW</td>
</tr>
<tr>
<td>Grid connection</td>
<td>Medium voltage</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Green</td>
</tr>
<tr>
<td>Access</td>
<td>Public 24/7</td>
</tr>
<tr>
<td>Authentification</td>
<td>App, RFID, Plug and Charge</td>
</tr>
<tr>
<td>Roaming</td>
<td>Available for all EMP/MSP</td>
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IONITY ALREADY HAS SITE PARTNERS IN 19 EUROPEAN COUNTRIES

- Contracts signed with our partners confirming over 300 sites
- Negotiations with further partners are ongoing
- IONITY is keen to establish further strategic partnerships
ROLLOUT IN ONE COUNTRY: 95 HIGH POWER CHARGING PARKS TO BE BUILT IN GERMANY BY THE END OF 2019

- 80 sites in cooperation with Tank&Rast
- 15 Sites at non-affiliated service stations
- Our first charging parks in Brohltal East / West went live in April 2018
- We offer green power
- Further sites now being built
FROM VISION TO REALITY

Key data

- 6 outlets
- Grid 1.25 MW
- Voltage 200 - 920 V
- Max. current 500 A
- Power output 350 kW
IONITY CHARGING STATIONS GO LIVE ACROSS EUROPE
FROM PHOTO MODEL TO PRODUCTION CHARGER: IONITY DESIGN GOES INDUSTRIAL

IT’S NOT JUST A PRETTY FACE...

- Usability: The customer experience will set new standards
- Visibility: The halo is a multi-functional element
- Connectivity: is a central core of the charger design
- Simplicity: Intelligent Human Machine Interface
- In short: Seamless
OVERVIEW EUROPE-E CALL

- Member states involved: 13 (Germany, France, Austria, Belgium, Denmark, Ireland, Italy, Netherlands, Poland, Portugal, Spain, Sweden, UK)
- TOTAL NUMBER OF LOCATIONS APPLICABLE: 340 (each with 6 outlets à 350 kW)
- Coordinating applicant: IONITY GmbH
- Duration of action: start date: July 15th 2017
  - end date: December 31st 2021

- total eligible costs: € 195,525,894
- funding EU: € 39,105,379
- EU support: 20 %
BREAKING NEWS

SEPTEMBER 2018

• Commercial „Go Live“ for IONITY
• From September 3rd €8 Session Fee introduced for all IONITY charging parks
• IONITY brand identity acquires a new more emotional quality via the integration of a red kite logo.
THANKS FOR LISTENING