OFFERING CURBSIDE CHARGING SERVICES: FROM CONCEPT TO REALITY – LESSONS LEARNED

Rafaël Van Coppenolle, Product Line Manager
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About Us

• Founded in 2009 in Quebec City, Canada
• Vertically integrated: designer, manufacturer and network operator
• Charging solutions for all market segments
• Operator of Canada’s largest charging networks
• Over 15,000 stations under management
• 160+ employees
Curbside Charging
Challenges: Infrastructure Choice

1. Infrastructure choice
2. Project coordination & installation
3. Maintenance and support
Solutions

Dedicated infrastructure

Integrating an existing infrastructure
Integrating an Existing Infrastructure

Considerations

Pros

• Will not add extra poles on the curb
• Leverage existing electrical infrastructure

Think of…

• Will available electrical capacity be enough?
• Will the connector be able to reach the car charging port?
• How do we scale in the future?
Dedicated Infrastructure Considerations

Pros
• Full power for optimal charging experience
• Flexibility regarding location
  • Can position the charging station right at the intersection of 2 parking spaces to optimize connector reach

Think of...
• Will this new infrastructure blend in the urban environment?
• How do we scale in the future?
• Where do we connect to the grid?
Conclusion

Both solutions have their Pros and Cons

- Integrating an existing infrastructure appears to be simpler but power availability (scalability) and charging station position are important considerations.

- Having a dedicated infrastructure requires the right type of EVSE to leverage certain benefits:
  - Local meter socket and distribution box
  - Important height to avoid tripping hazard and reach the car’s charging port

Overall

- Solutions to offer charging services on the curb are available!
- Ruggedness of the solution and network responsivity to solve issues are key to insure great uptime of the service
Thank You!