This is Freightliner eMobility

Alexander Voets
eMobility Product Marketing Manager
The Motivation for Battery-Electric Fleets

- Environmental Factors
- Cost of Ownership
- Policy & Regulations
Deployment of eTrucks goes beyond the vehicle – the entire eco-system needs to be deployed

- Customer Use Cases
- Charging Infrastructure
- Regulatory & Incentives
- Service/Dealer Roll-out
GAINING KNOWLEDGE
Co-creation of Innovation Fleet

PUTTING CUSTOMER READINESS TO THE TEST
Customer Experience (CX) Fleet

SERIES PRODUCTION
Freightliner Electric Trucks at scale out of our established Portland Truck Manufacturing Plant

Today
20 eCascadia
10 eM2

2023 PORTFOLIO EXPANSION
ADDITIONAL OPTIONS, FEATURES AND APPLICATIONS

SOP 2022/23

Today
6 eCascadia
2 eM2
Specification targets for series production vehicles in 2022 / 2023

**eM2**  
*Designed for Pick-Up and Delivery Application*

<table>
<thead>
<tr>
<th></th>
<th>eM2</th>
<th>eCascadia Day Cab</th>
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<tbody>
<tr>
<td><strong>Truck Class</strong></td>
<td>6-7</td>
<td>8</td>
</tr>
<tr>
<td><strong>GVWR</strong></td>
<td>26K to 33K lbs</td>
<td>Max GCW 82,000 lbs</td>
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<tr>
<td><strong>Battery Size</strong></td>
<td>210 or 315 kWh</td>
<td>315 or 475 kWh</td>
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<tr>
<td><strong>Horse Power</strong></td>
<td>Up to 300 hp (224 kW)</td>
<td>Up to 525 hp (391 kW)</td>
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<tr>
<td><strong>Range</strong></td>
<td>Up to 230 miles</td>
<td>Up to 250 miles</td>
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<tr>
<td><strong>ePTO option</strong></td>
<td>(Class 7 Reefer)</td>
<td>Axle Configurations</td>
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<tr>
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<td>6x4 or 4x2</td>
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*Vehicles pictured are not representative of final series-intent design*
Learnings and Key Considerations

Planning goes beyond the vehicle: **feasibility** of route, existence of **incentives**, ability of **deployment**.

Vehicle Deployments and **Infrastructure Build-out** needs to be planned in parallel.

Infrastructure deployment is a **significant** financial and time commitment.

Most customers want to understand the entire **eco-system**.
“Electric Island”: the First Public Charging Site for MD/HD Trucks in the U.S.
THANK YOU.

www.freightliner.com/eMobility