



# Daimler eMobility: Roadmap to Ultra-Clean

Michael Scheib / Daimler Trucks North America / November 19, 2020



*Run Smart™*

# Today and Tomorrow: Daimler's Wide Portfolio From Clean to Ultra-Clean



**DETROIT™ DD15**  
TECHNICAL SPECIFICATIONS

**THE DETROIT™ DD15® ENGINE TAKES INNOVATION TO A WHOLE NEW LEVEL.**

This impressive engine delivers incredible torque response and power, increased fuel economy, extremely wide torque range, extended maintenance intervals, and a smoother, cleaner ride.

**PERFORMANCE**

- Meet your deadline every time
  - Enjoy less shifting with an extremely wide and flat torque curve
  - Three-stage integrated Jacobs® engine brake offers quieter engine braking and provides superior braking horsepower for extended service brake life
  - Overall robust design provides B50 life of 1.2 million miles
  - Sturdy rear gear train and ribbed cast iron block minimize noise vibration harshness (NVH)

**ECONOMY**

- 2nd Generation Amplified Common Rail System (ACRS™) optimizes each injection event to minimize fuel consumption
- Proven asymmetric turbocharger—now built in Detroit—is optimally matched to updated Exhaust Gas Recirculation (EGR) system for improved efficiency
- Advanced cooling system with variable speed water pumps reduces load on the engine minimizing fuel consumption

**DD15 SPECIFICATIONS**

Configuration	1400-C Cycle
Displacement	96 cu. in. (1.6 L)
Compression Ratio	13.5:1
Bore	5.47 in. (140 mm)
Stroke	6.47 in. (165 mm)
Weight (Dry)	778 lb. (353 kg)
Electronics	ISL™
Serial-IP (SIP) (No Charge)	4-6 (40 L)
horsepower Range	40-305
torque Range	150-1750



**Diesel**

**NATURAL GAS**

## FUEL YOUR FUTURE.



**RIDE WITH THE LEADER.**  
The natural gas-powered new Cascadia® has proven its performance for a variety of applications, including local distribution, regional haul and port drayage. The new Cascadia natural gas delivers real zero emissions and with its advanced aerodynamic design is both fuel efficient and environmentally friendly.

**WORK SMART**



**THE ROAD TO SUSTAINABILITY.**

At Freightliner, we see the road ahead to a sustainable future. We're committed to providing clean, reliable, and efficient transportation solutions. Our new Cascadia natural gas trucks are designed to help you reduce your carbon footprint and improve your bottom line. They're built to last, and they're built to perform. So you can get the most out of your investment. For more information, visit us online at [www.freightlinertrucks.com](http://www.freightlinertrucks.com).

**CLEANER AND GREENER.**  
The new Cascadia natural gas trucks are designed to help you reduce your carbon footprint and improve your bottom line. They're built to last, and they're built to perform. So you can get the most out of your investment. For more information, visit us online at [www.freightlinertrucks.com](http://www.freightlinertrucks.com).

**Natural Gas**



**Battery Electric**



**H2 Fuel Cell Electric**

⚡ Change isn't just on the horizon.  
It's on the road.

***eCASCADIA***

504073



**ELECTRIC**  
**INNOVATION**  
**FLEET**



# Daimler's Battery Electric Product Roadmap



Driven By You



Thank you!

A close-up photograph of a white vehicle's front end. The focus is on a metallic badge that reads "eCASCADIA". The "e" is a vibrant blue, while the "CASCADIA" portion is a brushed silver metal. To the right of the badge, a portion of a glowing amber LED light is visible, casting a warm orange glow. The background is a clean, white surface, likely the hood of the truck.