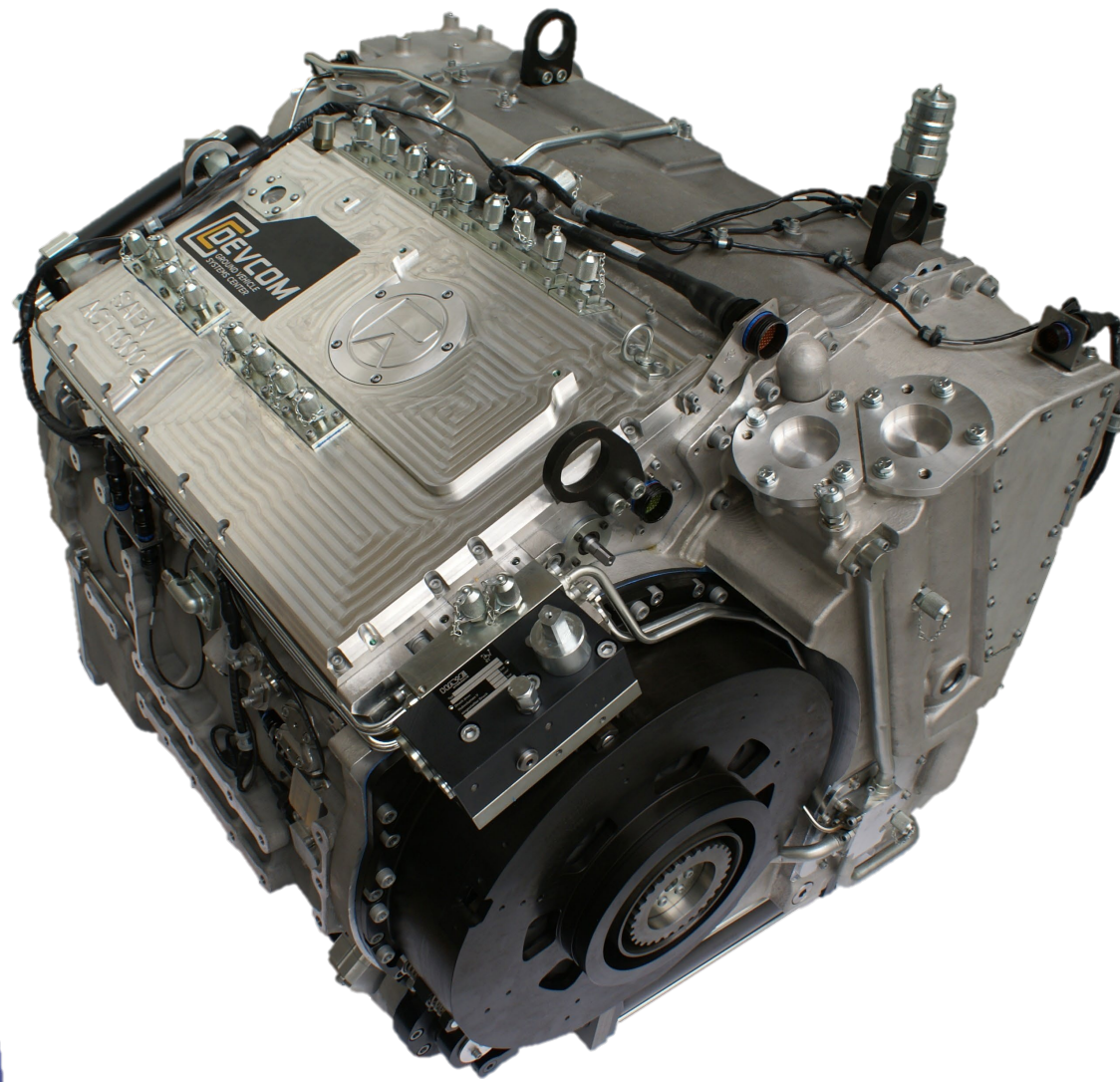
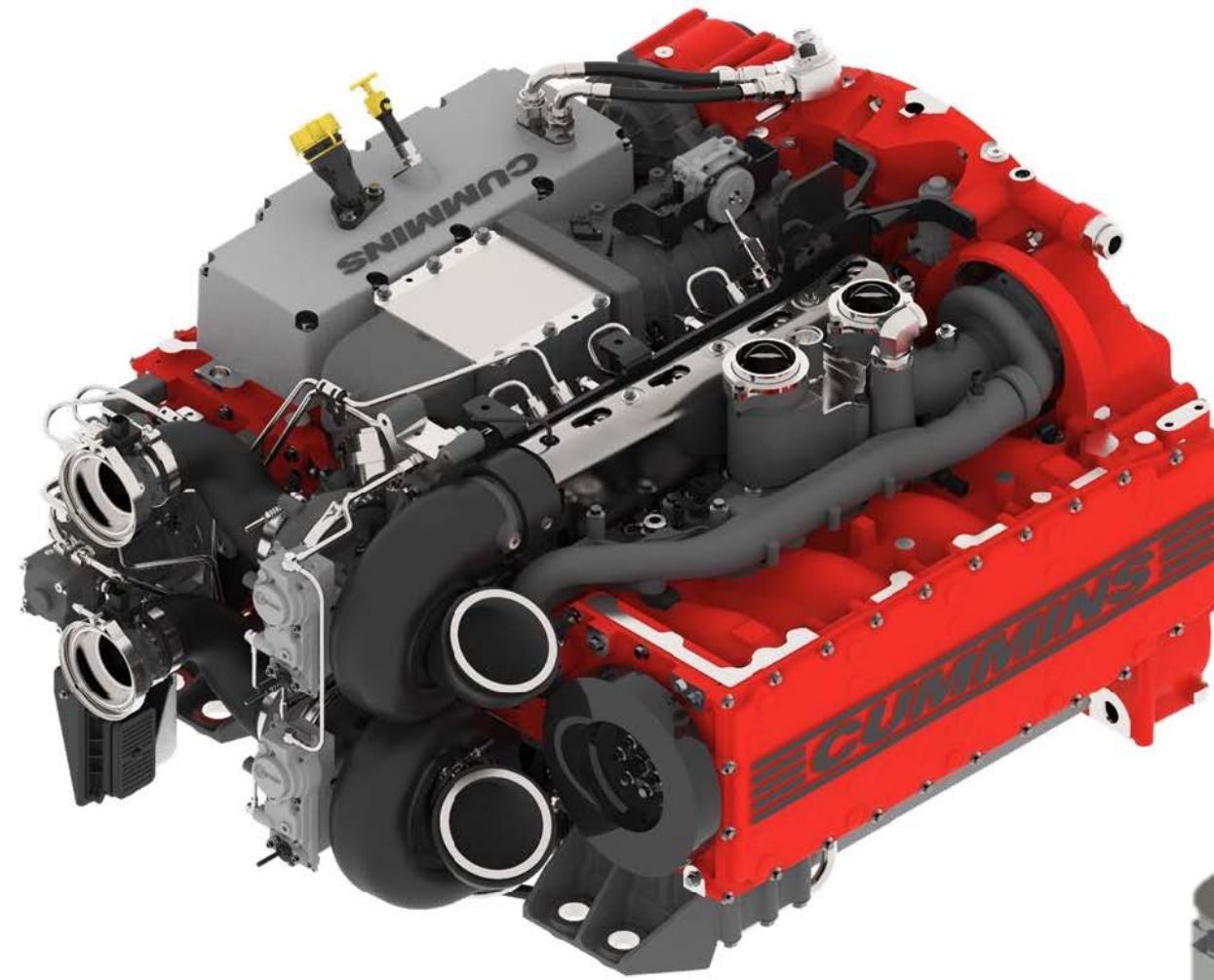




# Advanced Powertrain Demonstrator



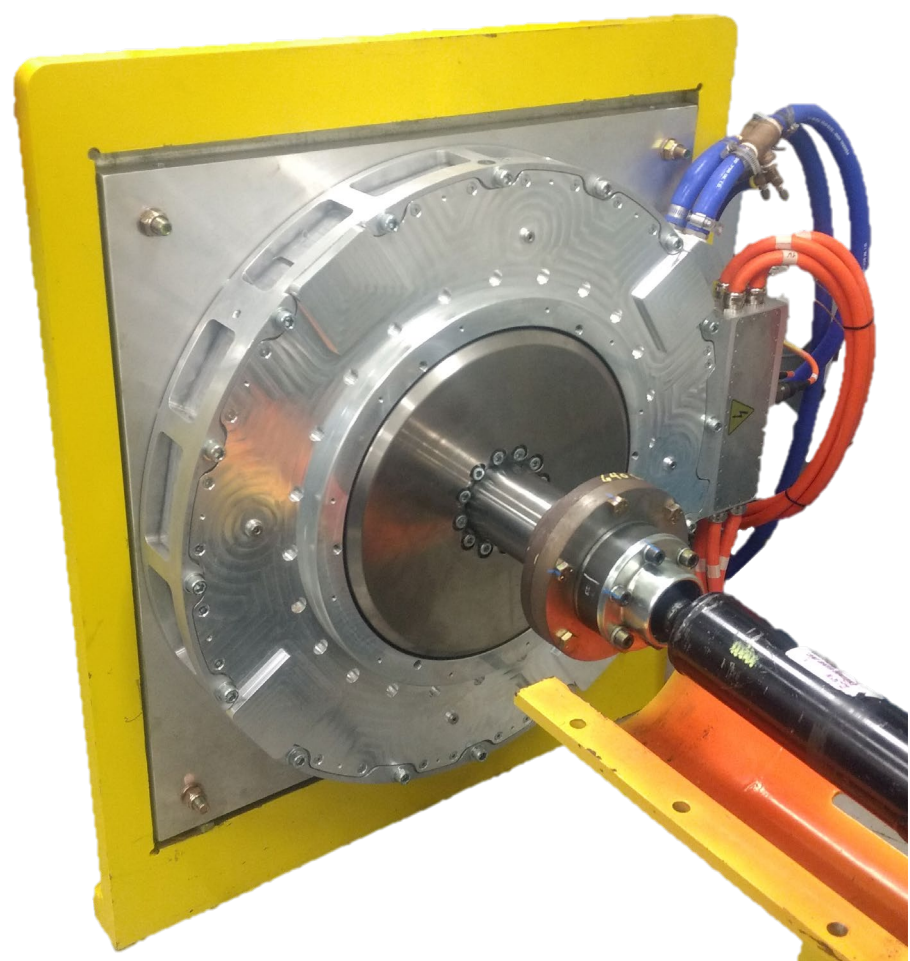
Advanced Combat Transmission



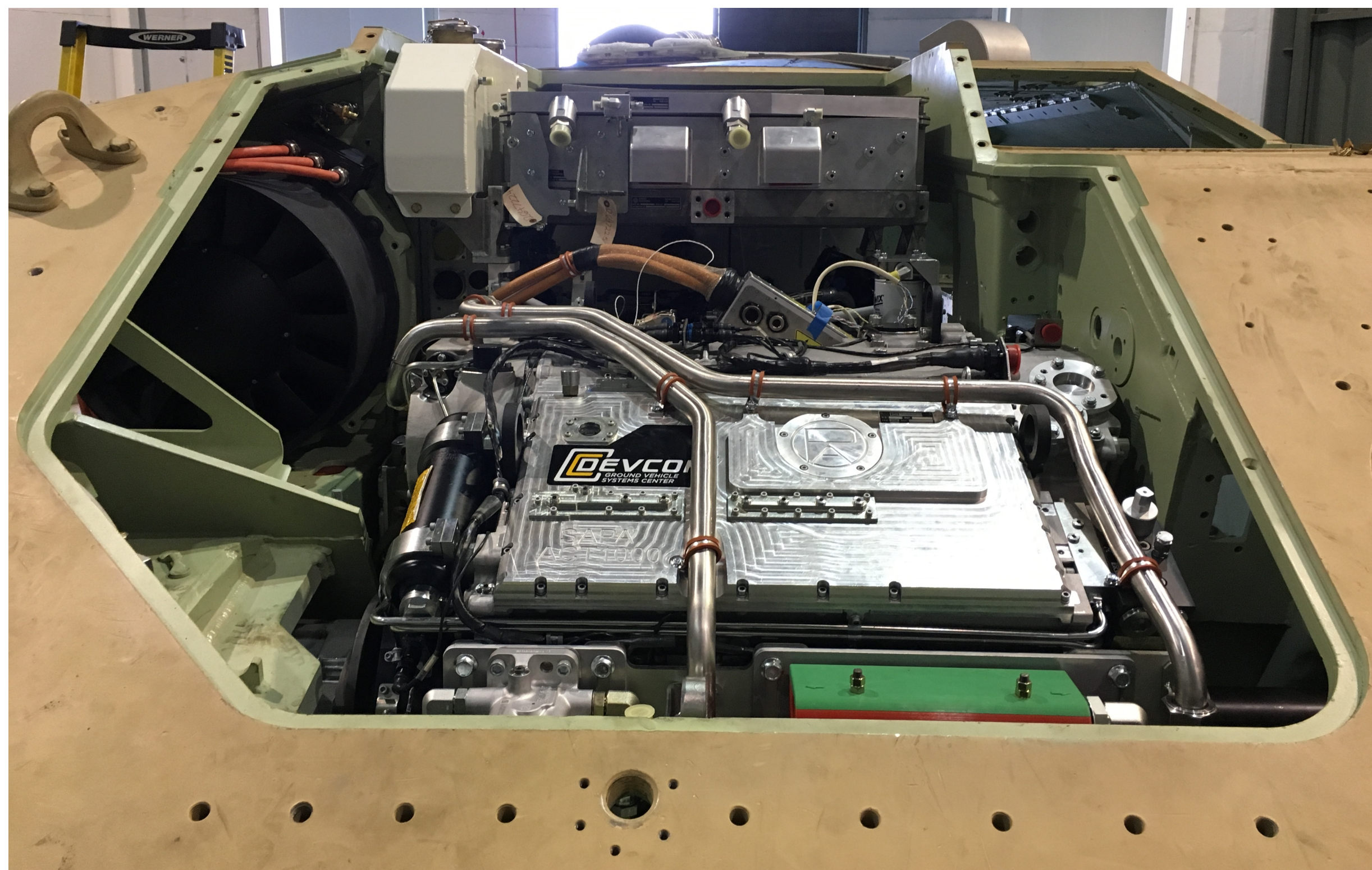
Advanced Combat Engine



Advanced Thermal Management System



Integrated Starter Generator



NeXtECU Controller



Advanced Modular Battery System

## Advanced Powertrain Demonstrator (APD)

- 1.5-2.0x Improved Sprocket Power Density (Greater Utilization of Space)
- 20-25% Increase in Fuel Efficiency
- Improved Platform Mobility to Increase Vehicle Range (15%), Top Speed (20%), Speed on Grade (2x), Acceleration (2x)
- 10x Increase of Electrical Power Generation (160 kW) for Increased On-Board Electrical Capability, Export Power, and Extended Silent Watch Durations
- Designed for a 45-55 ton platform with each technology capable of scaling for heavier or lighter platforms

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