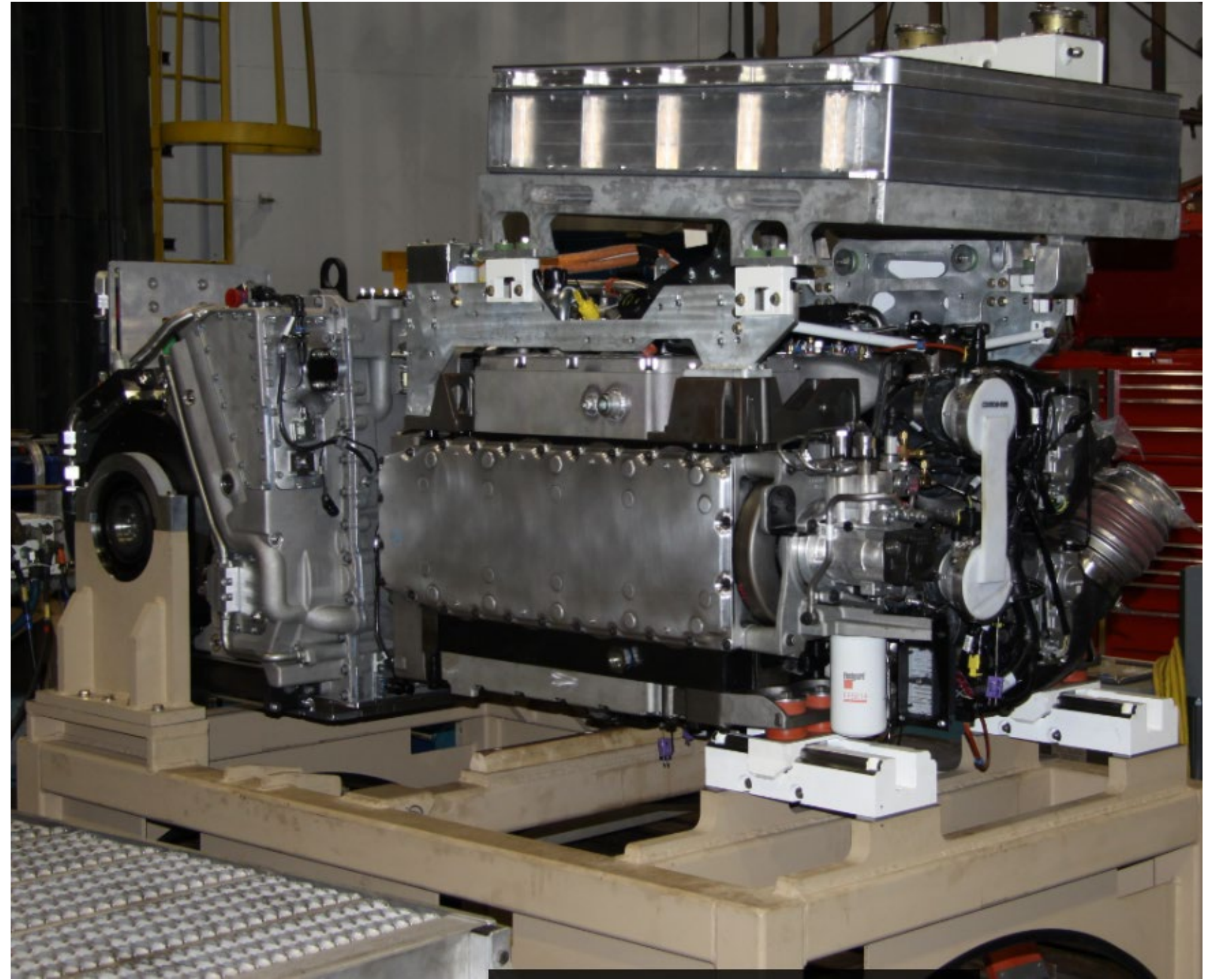
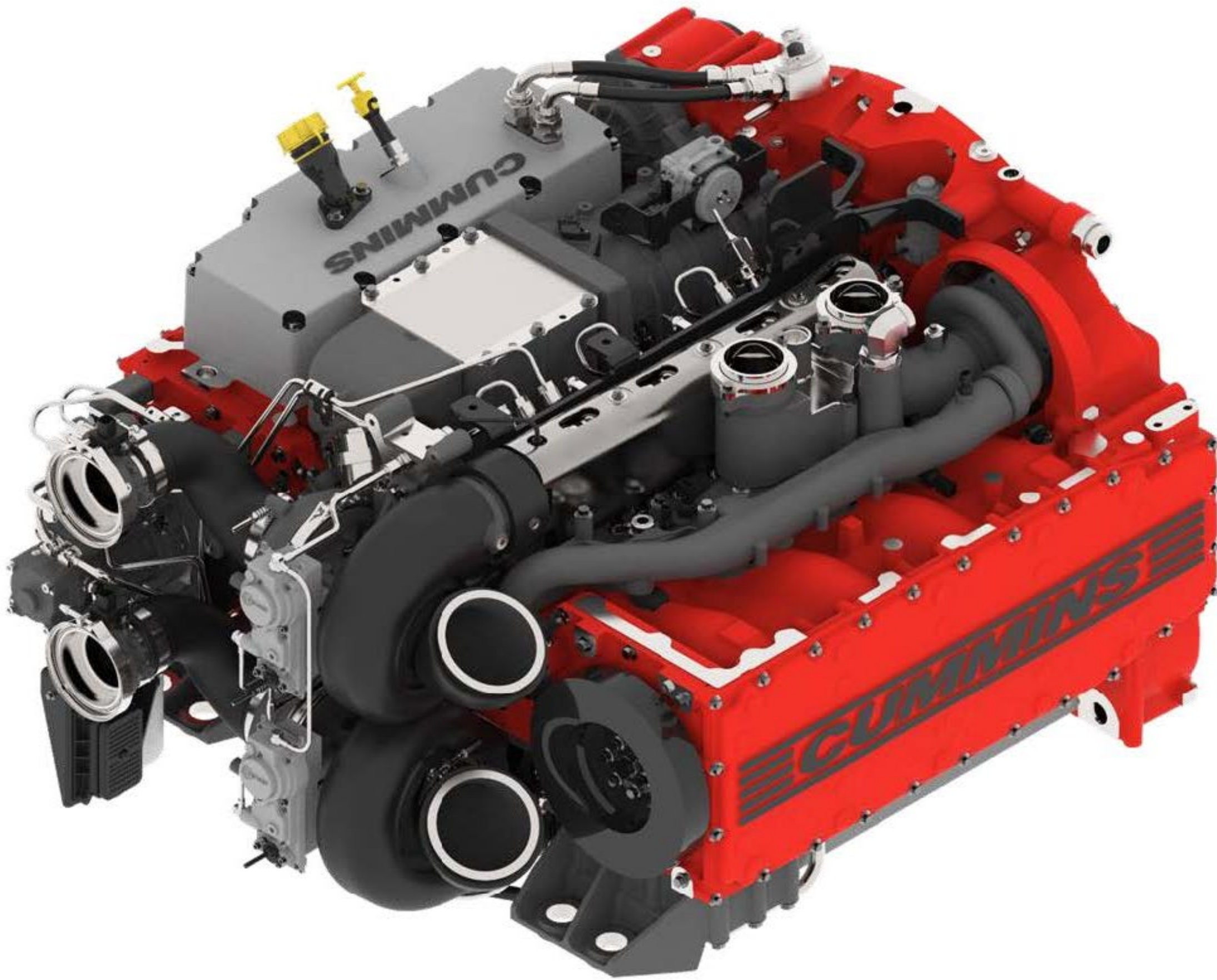




# Advanced Combat Engine



The Advanced Combat Engine is a highly efficient, power dense engine that enables the expansion of military ground vehicle capabilities beyond current or past potential with the next-generation of propulsion power up to 1500 hp. The ACE architecture offers a modular, scalable design to optimally match the power requirements of combat and tactical vehicles. The improved efficiency and lower heat rejection of the ACE provides more power in a compact design allowing for additional on-board vehicle electrical power capabilities.

ACE provides leap-ahead technology to buy-back vehicle mobility and performance lost due to increasing vehicle weights and on-board electric power demands. Military vehicles confront evolving enemy threats, both conventional and asymmetrical warfare. In order to decisively confront these threats, the warfighter needs overwhelming technological battlefield superiority with more power-dense engines to enhanced vehicle mobility due to added armor protection, increased lethality weapon systems, secondary defensive weapon systems, and greater electrical power generation capabilities.

## ACE 1000 Specifications

- Max Engine Power: 1000 hp @ 2600 rpm
- Peak Torque: 2424 ft-lbs @ 1600-2000 rpm
- Heat Rejection: 0.45 kW/kW
- 4 Cylinder, 2 Stroke, Opposed Piston Architecture

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