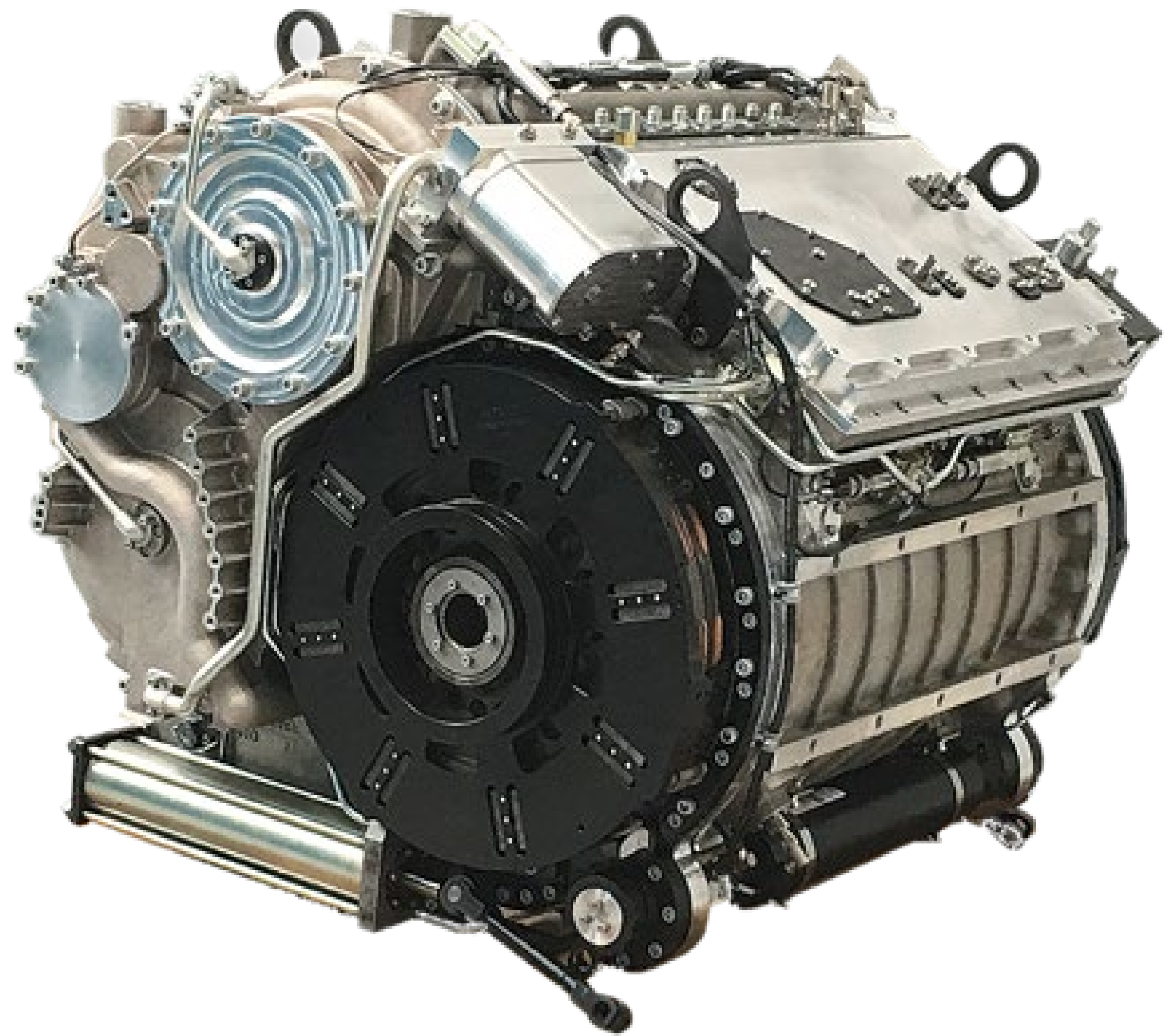
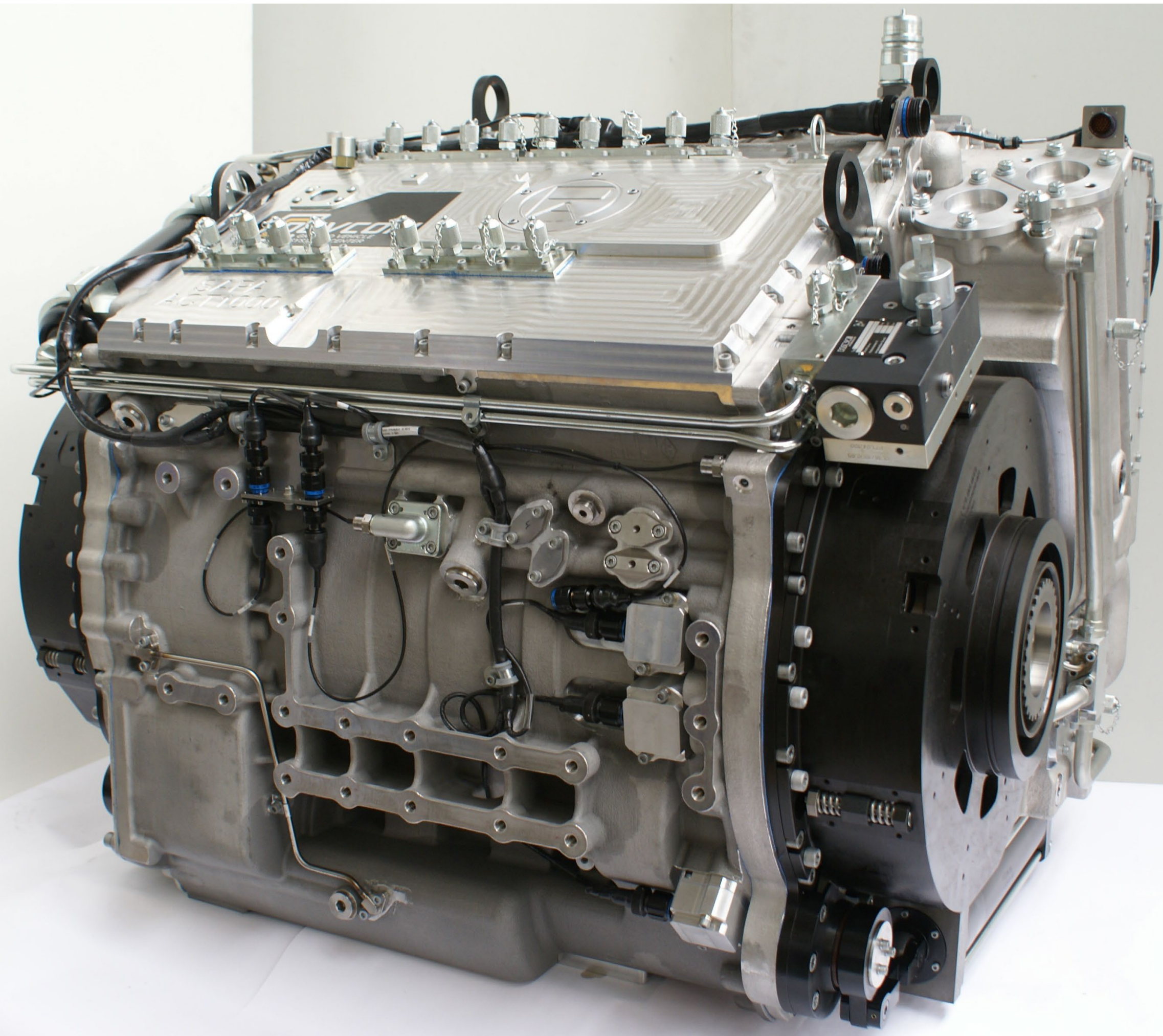




Advanced Combat Transmission



The Advanced Combat Transmission is a family of high power density transmissions that employ a new 32-speed cross-drive design. This new transmission design removes or replaces the most inefficient elements of a conventional cross-drive transmission with highly efficient gears, improving transmission efficiency in even the worst situations to over 90%.

The ACT Technology investment is leveraged to be applicable to multiple combat vehicle applications, creating the ACT family of transmissions. The ACT 1000 is the next generation transmission in the 50+ ton combat vehicle class. The ACT 850 is a drop-in replacement transmission for the legacy Bradley & SPHS vehicles. Both transmissions are **Fully Drive-, Steer-, and Brake-by-Wire** capable, supporting the Army's goal of an autonomous-capable fleet.

ACT 1000 Specifications

- Gross Vehicle Weight: 45-55+ tons
- Max Input Power – 1000 hp
- Max Output Torque – 19,420 lb*ft
- Gear Ratio Range – 33:1
- Max Braking Torque – 15,800 lb*ft
- Max Rejected Power – 91 hp at 135°C

ACT 850 Specifications

- Gross Vehicle Weight: 40-50 tons
- Max Input Power – 850 hp
- Max Output Torque – 17,000 lb*ft
- Gear Ratio Range – 20:1
- Max Braking Torque – 13,000 lb*ft
- Max Rejected Power – 87 hp at 135°C

FOR FURTHER INFORMATION:

U.S. ARMY COMBAT CAPABILITIES
DEVELOPMENT COMMAND –
GROUND VEHICLE SYSTEMS CENTER

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