ELECTRIC DRIVETRAIN SYSTEMS
CAPABILITIES
AxleTech ElecTrek™ drivetrain systems offer integrated powertrain components and functions that deliver best-in-class packaging, performance, and efficiency for electric vehicles. Our integrated systems provide a complete solution for everything between the wheels for a range of applications, including transit, medium-duty trucks, heavy-duty trucks, and off-highway vehicles.

**Custom Solutions**
- Integrated e-motors into the complete system
- Near wheel motor and multi-speed synchronized gearboxes
- Quiet helical wheel ends optimized for regenerative braking
- Complete high voltage power electronics - including electric motor gearbox controllers
- ABS compatible with multiple brake solutions for assistance with packaging hurdles
- Planetary wheel end gear technology reduces upstream torque requirements up to 5 times

**Systems Engineering Approach**
for everything between the wheels

**ELECTRIC SOLUTIONS**
AxleTech’s systems engineering approach of full system integration is leading the introduction of electrification in commercial trucks and specialty vehicles. Our integrated systems of drivetrain components and functions provide built-in reliability, reduced cost, and higher efficiency.

**Direct Drive Solutions**
- Rigid axles designed for the harsh electric drive duty cycle
- Integrated driveline gearboxes help optimize vehicle performance

**Solid Axle Replacement**
- Multiple motor options depending on application
- Systems designed for optimal efficiency that greatly reduce typical driveline losses
- Transit axle systems designed as direct replacement for a traditional air spring suspension
- Suspension integration and thermal management system

**Vehicle Applications**

**City and Transit Buses**
- Trolley bus
- 40’ transit bus and double-decker bus
- 60’ articulating bus

**Medium-Duty & Heavy-Duty On-Highway Trucks**
- Delivery
- Drayage
- Refuse

**Off-Highway Vehicles**
- Fork lift trucks
- Ground support equipment
- Terminal tractors
AxleTech International is leading specialty vehicle drivetrain technology company. We have the expertise and knowledge to design, develop, and build custom-engineered drivetrain systems for an array of on-highway and off-highway applications. For leading technology, quality, dependability, and durability, the rock-solid choice is AxleTech International.