

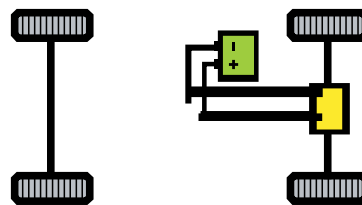
We drive a *world* of difference

Electric Drive Solutions

AZD Force Drive™

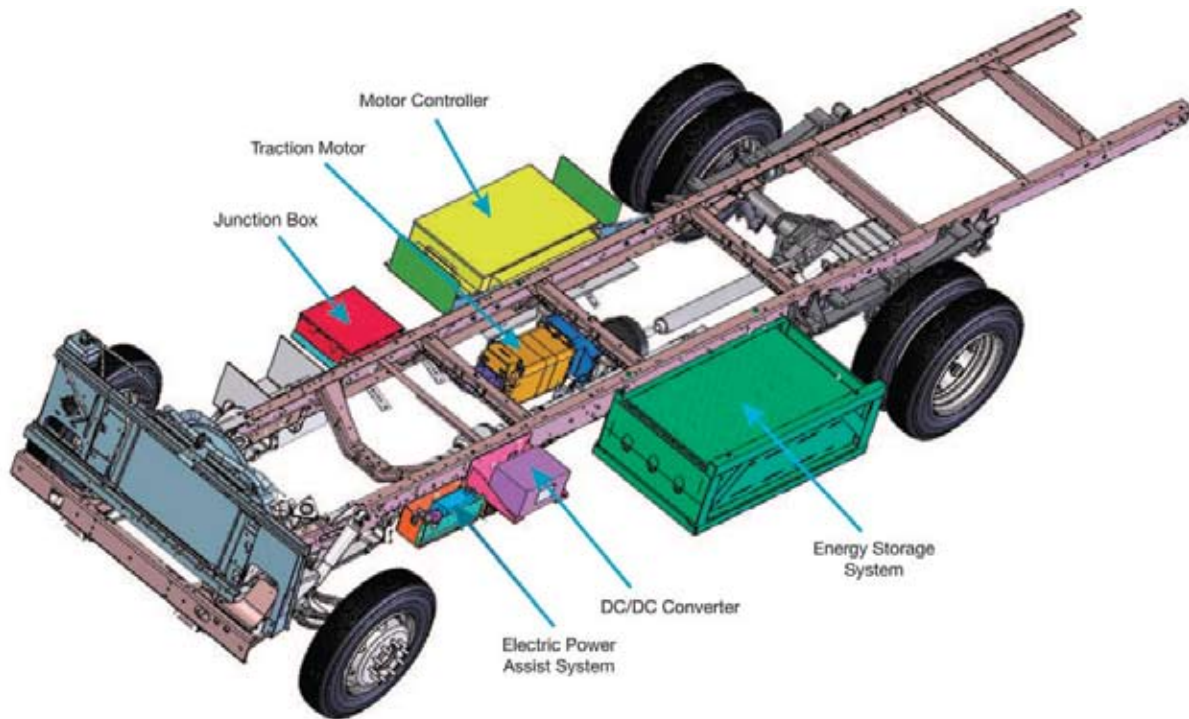
Azure Dynamics (AZD) develops hybrid electric and electric drive technology for commercial trucks and shuttle buses. AZD has been designing and developing electric drive systems for over seventeen years providing zero emission transportation solutions for our customers.

Our engineers are experts in power electronics, vehicle controls software development, electric machine design and vehicle integration. With over 40 different vehicle integrations to our credit, and more than 25 million miles of on-road driving, you can rest assured that an AZD Force Drive solution will do the job for you.



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Electric Drive Solutions AZD Force Drive™



Electric Drive Solutions

AZD's proprietary Force Drive solutions have been deployed in applications such as solar cars, passenger vehicles and various forms of electric delivery trucks. Through this experience, AZD has developed a full range of electric drive components, including AC motors, inverters and converters, controllers, and battery chargers. Full powertrain kits or electric drive sub-components can be ordered in volume. AZD will work with your team to design and integrate a system that is best suited to your needs.



AZD's family of Force Drives™ cover a wide spectrum of vehicles ranging from 1,000 to 33,000 lbs. Featuring low-speed AC induction motors, the systems are easily adaptable to specific vehicle drive ratios. And because of the direct drive layout, the drive unit can fit into the area formerly occupied by the traditional drivetrain making vehicle installations and conversions fast and easy.

Some features and advantages include:

- AC induction motors
- Air-cooled
- High-efficiency brushless design
- Compact, lightweight construction
- Low rotating losses
- Low electrical resistance
- Cost effectiveness and high reliability
- DSP-based control
- Regenerative braking
- Space Vector PWM and Field Oriented Control
- Internal contactor with pre-charge circuitry

Driving a world of difference

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For further information on how we can green your fleet contact **Beth Silverman** Sales Manager
781.932.9009 Ext. 224 bsilverman@azuredynamics.com or call toll free 877.932.9009