

Hybrid and All-Electric ProDrive Systems

Core System Components



Example: Transit Bus Drive System



**Electric drive
Motor**



**Optional Internal
Combustion Engine**
[gasoline, diesel, CNG or
hydrogen fuel cell]

Customer Benefits

- 200-400% improvement in fuel economy versus conventional and hybrid drive systems
- Starts as an all-electric system to maximize fuel savings
- Flexible design works with any small auxiliary power unit (APU) to extend vehicle range when battery charging is needed during vehicle operation
- Uses all-electric components to enable vehicle control systems to manage energy usage
- Route and driver influenced energy and vehicle management systems
- Regenerative braking system recaptures 92% of the vehicle's kinetic energy during braking
- Fewer moving parts equals very low maintenance