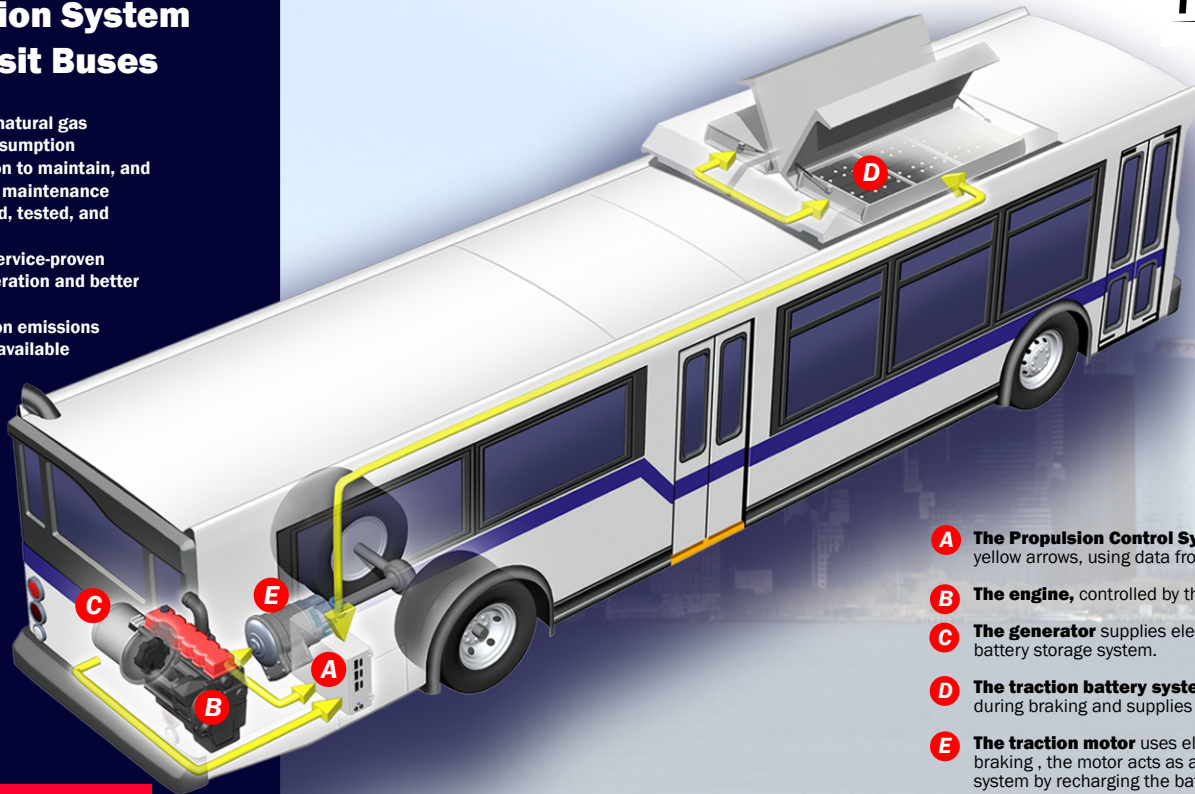


HybriDrive™ Propulsion System for Transit Buses

- Cleaner than natural gas
- Lower fuel consumption
- No transmission to maintain, and reduced brake maintenance
- Fully integrated, tested, and warranted
- Reliable and service-proven
- Smooth acceleration and better traction
- Reduced carbon emissions
- Commercially available



HybriDrive™
PROPULSION SYSTEMS

- A The Propulsion Control System** directs the energy flow, indicated by the yellow arrows, using data from driver interfaces and all system components.
- B The engine**, controlled by the HybriDrive™ system, drives the generator.
- C The generator** supplies electricity to the traction motor and recharges the battery storage system.
- D The traction battery system** stores generator power and energy recovered during braking and supplies power for acceleration or hill-climbing.
- E The traction motor** uses electrical power to drive the wheels. During braking, the motor acts as a generator to return deceleration energy to the system by recharging the batteries. This "regenerative braking" system reduces brake wear.

BAE SYSTEMS