Advancing Electric Solutions Globally Emission-Free Driving Through Campus

June, 2018





1

We help electrify transportation

- 20+ years in the business
- World's leading manufacturer of series electric propulsion systems
- 9,000+ electric drive systems in service today on three continents
- More than 2 billion revenue miles
- Prevented 2 million tons of CO₂ emissions
- Innovative marine & truck solutions











Zero Emission & Near Zero Emission powertrain solutions



Series-EV: Battery EV

- zero emissions 100% of the time
- fully-electric propulsion
- on-route, overnight, inductive, and conductive charging available

Series-E: Hybrid Electric

- up to 15% engine-off operation
- stop/start technology
- no charging infrastructure
- no mid-life battery refresh required

Series-H: Hydrogen EV

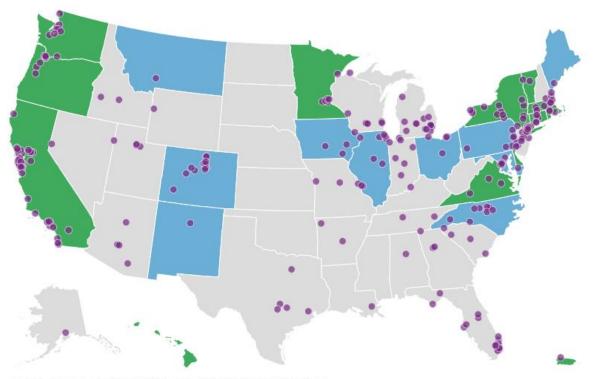
- zero emissions 100% of the time
- long range
- route independent
- quick fueling time

Series-ER: Electric-Range Hybrid

- up to 35% engine-off operation
- stop/start technology
- depot mode
- no charging infrastructure required



Growing U.S. Climate Policy Actions

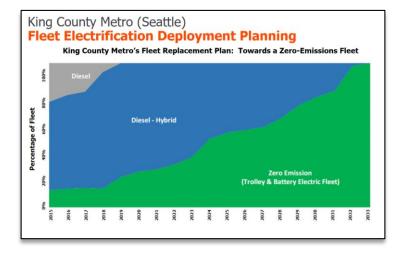


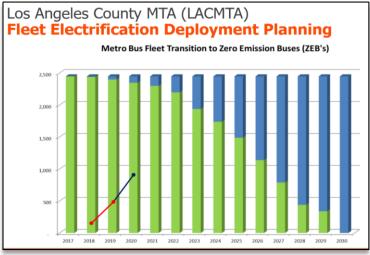
ALASKA, HAWAII, AND PUERTO RICO ARE NOT REPRESENTED TO SCALE.

10-states and the District of Columbia pledged to follow the Paris Agreement 12-states and Puerto Rico have become members of the U.S. Climate Alliance 274-cities and counting have signed on to the Mayors National Climate Action Agenda https://climateactiontracker.org/countries/usa/



Transit Agencies Taking the Initiative





CA Agencies with electric buses



CA Agencies with ZE Targets

Agency	Total Buses	All ZEB Target
ART	82	2020
Antelope Valley	77	2018
Foothill Transit	373	2030
LA Metro	2,452	2030
LADOT	357	2030
Porterville Transit	20	2025
SF MTA	620*	2035
San Joaquin RTD	111	2025
SamTrans	369	2033
Santa Clara VTA	485	2033
Santa Cruz Metro	98	2040
Santa Monica BBB	200	2030
Total	5,244	
* 327 trolley buses not included in total		
		BAE SYS

© 2016 BA E Systems © BAE Systems 2018

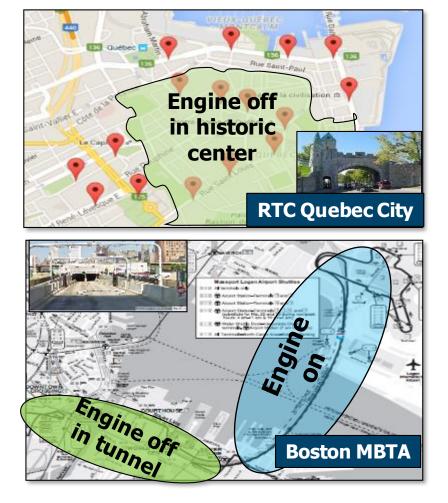
INSPIRED WORK

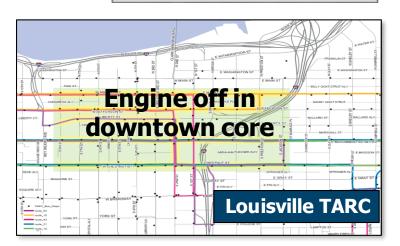
EMS

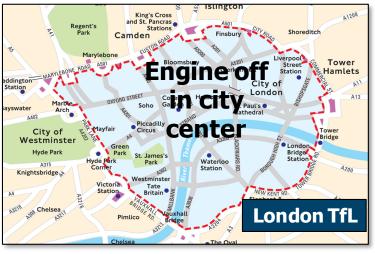
Geo-Fenced Emission-Free Zones Electric inside/hybrid outside the zone

Series-ER: Electric-Range Hybrid

- up to 35% engine-off operation
- stop/start technology
- depot mode
- no charging infrastructure required

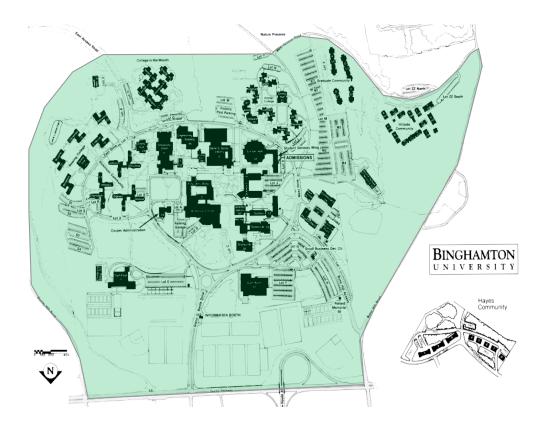






BAE SYSTEMS

Universities Looking For Sustainable Transportation Binghamton University FTA Low or No Proposal



Grid-Free, Zero Emission University Bus

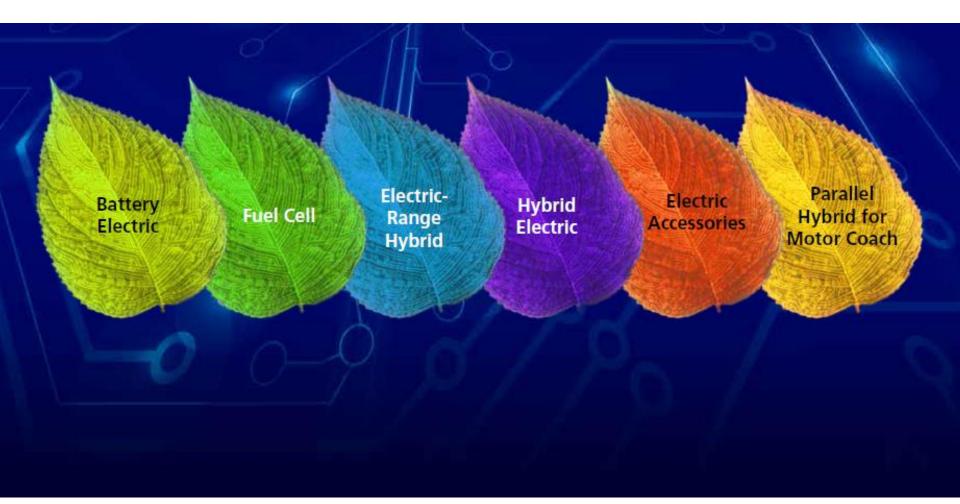
- Broome County Transit bus service at Binghamton University
- Geo-fenced campus to trigger engine off operation throughout the campus
- No charging infrastructure
- No driver intervention

Series-ER: Electric-Range Hybrid

- up to 35% engine-off operation
- stop/start technology
- depot mode
- no charging infrastructure required



Choose your level of electrification





8





9