

ZERO-EMISSION HYDROGEN-POWERED PUBLIC TRANSPORTATION

Public transit systems are essential transportation lifelines. To get to shopping areas. To get to work. To visit family. To get to school.

Public transportation is also a significant contributor of pollutants and noise.

Hydrogen fuel cell-powered vehicles are emerging as a key solution to meet clean air requirements for public transportation.

As cities and towns implement clean transportation policies to improve air quality, reduce greenhouse emissions, and improve energy efficiency, hydrogen fuel cells are coming into focus as an attractive alternative to internal combustion engines.

Nuvera® E-Series Fuel Cell Engines deliver high-efficiency performance in a compact package that allows it to fit into a standard engine compartment. Fuel cell engines can power full-size transit buses and other vehicles critical to public transportation operations, such as light rail, ferries, and shuttle buses.

Typically offering the driving range required to handle all routes, fuel cell electric buses can provide a one-to-one replacement of conventionally powered vehicles. Routes that are too demanding for battery-powered buses, because of length or hilly terrain, or because of cold or hot temperature conditions, can often be completed with fuel cells.

Compared with vehicles powered by internal combustion engines, fuel cell-powered electric buses offer significant and compelling advantages:

- > Refueling in the same amount of time as diesel and natural gas vehicles
- > Zero tailpipe emissions, except for water vapor
- > No greenhouse gas emissions when powered with renewable hydrogen
- > A quiet and comfortable ride
- > Improved fuel efficiency and reduced maintenance, saving on operating costs
- > Reduced ambient noise in neighborhoods

Contact Nuvera today to learn more about our experience powering buses, marine vessels and other public transportation platforms.



Let's move the world together.™

Nuvera is powering global fuel cell-powered vehicle adoption within the growing hydrogen economy.

Our zero-emission fuel cell engines for motive and stationary applications are helping OEMs meet performance and clean energy regulations.

With teams located in the US, Europe, and Asia, Nuvera provides advanced industrial power products designed to meet rigorous commercial requirements. As a legacy fuel cell pioneer, Nuvera's engineers participate on and lead technical committees in the development of hydrogen-related codes and standards.



Why Nuvera?

- > A passion for exceeding expectations.
- > Leadership in fuel cell efficiency and power density.
- > Attractive cost of ownership.

Nuvera® E-Series Fuel Cell Engines
available now, ready to build and ship for on- and off-road applications.



Nuvera Offers:

UNIQUE TECHNOLOGY at the core of integrated fuel cell engines

COMPACT ENGINES designed for EFFICIENCY, RELIABILITY, and EASE OF INTEGRATION

DESIGNED FOR RELIABILITY AND DURABILITY for versatile and tough applications

HIGH-EFFICIENCY fuel cell performance reduces fuel consumption and extends operating uptime

STATE-OF-THE-ART MANUFACTURING that yields high-quality products

EXPERIENCED APPLICATIONS ENGINEERING TEAM simplifies fuel cell integration into electric powertrains

COMPREHENSIVE AFTERMARKET SUPPORT provided worldwide

A COLLABORATIVE APPROACH focused on customer success



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