NEAR-ZERO EMISSION PROPANE ENGINES
ABOUT US

Company Background & History
Enterprise Brand Portfolio

ROUSH Industries
OEM manufacturing, engineering, prototyping and design

Roush Fenway Racing
Dominant NASCAR Sprint Cup racing team

ROUSH Performance
Industry leading high performance vehicles

ROUSH CleanTech
Propane autogas powered commercial vehicles.
ROUSH CleanTech

- Founded in 2010.
- Dedicated to developing quality alternative fuel solutions.
- Propane autogas focus.
- EPA and CARB certification ability.
- Platform customization to suit customer needs.
- Reduces operating costs, carbon footprint.
- OEM support through Ford and BPN dealers.
- Creating opportunities for partner companies.
- Using American fuel and American technology.
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<thead>
<tr>
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<th>GAS</th>
<th>PROPANE</th>
<th>CNG</th>
<th>Electric</th>
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<td>Ease of Adoption</td>
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MYTHS & BARRIERS
Myth #1: Infrastructure

- **Myth:** Infrastructure isn’t easily accessible

- **Fact:** There are more than 3,500 propane stations throughout the country.
Myth #2: Performance

- **Myth:** Propane vehicles don’t have as much power as a gasoline or diesel vehicle.

- **Fact:** There is no loss of horsepower or torque with propane vehicles.
Myth #3: Cold Weather

- **Myth:** Propane vehicles don’t operate well in cold weather.

- **Fact:** Propane vehicles actually operate best in cold temperatures.
  - There are no cold starting issues
  - Starts in -50°F temperature
  - Does not require a block heater
  - Quicker cabin heat
PROPANE ADOPTION
## Industry Reach

<table>
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<tr>
<th>Linen</th>
<th>Food/Bakery</th>
<th>Beverage</th>
<th>Transit</th>
<th>Vending</th>
<th>Logistics</th>
<th>Propane</th>
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<td>Ford E-350 / E-450&lt;br&gt;6.8L V10 2V</td>
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**Additional Industries:**
- Airport
- Tree and Landscape
- Towing
- Government
Para-Transit

Operating 112 units in Delaware.

146 propane-powered Ford E-450 shuttles in service.

138 units deployed fleet in conjunction with school district.
Industry: Paratransit
Location: San Diego, CA
Vehicles: 101 Ford F-550 Buses

By The Numbers:
- Reduce emissions by **2 million pounds** per year.
- Will save **$5.8 million** over lifecycle of vehicles.
- Reduce carbon intensity by **71%**.
Industry: Food & Beverage
Location: Stamford, CT
Vehicles: 600 Ford F-650 Trucks

By The Numbers:
- **50% less** for fuel costs per gallon compared to diesel
- **Reduced** noise level

“Becoming a better steward of our environment is a priority for Nestlé Waters. We’ve been running propane autogas vehicles since 2014. Because of the proven emissions reductions and cost savings, we knew it was the right choice to expand our fleet with this domestically produced alternative fuel.”

- Bill Ardis, National Fleet Manager, Nestlé Waters North America
Boston Public Schools
Industry: Schools
Location: Detroit, MI
Vehicles: 129 Blue Bird Propane Visions

By The Numbers:
- 75% less for fuel costs per gallon compared to diesel
- ABC installed a 12,000-gallon onsite autogas fuel stations

“The use of propane autogas school buses is a step in the right direction to significantly decrease vehicle emissions and improve the air quality for our students. This also provides opportunities for students and the community to observe and learn first-hand about alternative transportation technologies,”

- James Minnick, Executive Director, Detroit Public Schools
THANK YOU

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