The Love's Family of Companies









Heavy Duty Vehicle Hydrogen Infrastructure Challenges



Love's Travel Stops & Country Stores



#18

Forbes List of America's Largest Private Companies

\$16

Billion

Annual

Revenue



Over 500

Travel Stops, Terminals and CNG Stations



25,000

Employees Nationwide

Trillium



#2

Largest
Distributor of
CNG in the
U.S.



200

Owned or Operated Heavy-Duty CNG Stations



Design / Build Maintenance Own or Operate Renewable



Transit Agencies
Municipalities
Trucking Companies
Waste Haulers



Gemini Motor Transport

650 trucks / 13 million gallons of fuel daily



Musket Corporation

Wholesale fuel supply, trading and logistics

Design and Build Services





- Customized Solutions
- High-Quality Parts and Equipment
- 30% 40% Faster Fill Times
- Improved Energy Efficiency
- On Time, On Budget

Operation and Maintenance Services







- ~100 Highly Trained Mechanics
- 24/7 Rapid Response Team
- 99.99% Station Up Time

- Customized Preventive Maintenance
- Total Control over O&M Budget
- Client Connect Portal

Challenges



- 1. Price
- 2. Flow Rate
- 3. Space
- 4. Availability
- 5. Demos



The 5 & 5 Challenge

Dispensed price < \$5/kg

- Cost of H2 (delivered or on-site)
- Operating costs (utilities, O&M)
- Capital recovery
- Margin

Flow rate > 5 kg/min

- Gas compression not sufficient today
- Cannot rely on storage for HDVs

Challenges



3. Space

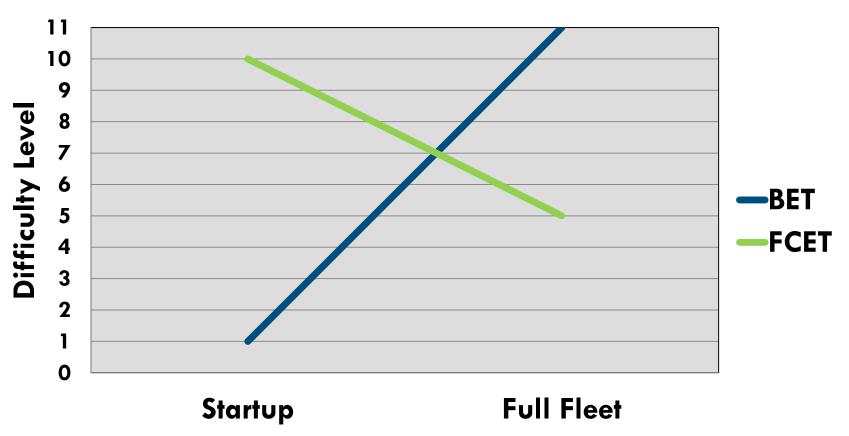
- On-site production + CSD
- 4. Availability
 - Gaseous/liquid H2 supply suitable for FCs not available everywhere
 - Limited volumes as expansion occurs



Demos



Too difficult to start doing FCETs



30 kg per vehicle in 6+ minutes

- From 2 dispensers simultaneously
- Up to 1,500 kg/day







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