The Galileo Advantage

- CNG Industry & Key Indicators
- Verdek LLC
- Galileo Natural Gas Technologies
- Galileo CNG Fueling Solutions
CNG Industry & Key Indicators

10. UKRAINE
- Natural gas vehicles: 200,000
- Refuelling stations: 285
(December 2010)

7. CHINA
- Natural gas vehicles: 450,000
- Refuelling stations: 1,350
(December 2010)

4. BRAZIL
- Natural gas vehicles: 1,664,847
- Refuelling stations: 1,725
(December 2010)

6. ITALY
- Natural gas vehicles: 730,000
- Refuelling stations: 790
(December 2010)

14. USA
- Natural gas vehicles: 312,000
- Refuelling stations: 1,000
(December 2010)

2. IRAN
- Natural gas vehicles: 1,954,925
- Refuelling stations: 1,574
(December 2010)

9. THAILAND
- Natural gas vehicles: 218,459
- Refuelling stations: 426
(December 2010)

8. COLOMBIA
- Natural gas vehicles: 340,000
- Refuelling stations: 614
(December 2010)

3. ARGENTINA
- Natural gas vehicles: 1,954,925
- Refuelling stations: 1,878
(December 2010)

5. INDIA
- Natural gas vehicles: 1,080,000
- Refuelling stations: 571
(December 2010)

Source: http://cng.org/vehiclesources/statistics.html

VERDEK
NGV executives agreed that the following drivers to the future size of the Natural Gas Vehicle Infrastructure market are important:

- Spread of price between Diesel & Natural Gas: 96%
- Availability of Natural Gas supplies: 95%
- Availability of Natural Gas vehicles: 98%
- Availability of Natural Gas stations: 95%
NGV executives expect significant progress in overcoming the following hurdles to NGC adoption in the next 3 years:

- Lack of NG Stations: 65%
- Lack of Tax Incentives: 24%
- Complicated Fuel Tax Obligations for Station Owners: 22%
- High Relative Cost of NG Vehicles: 8%
60% of Fleet Managers believe that CNG will fuel 50% of local fleets by 2020.

43% of Natural Gas producers believe that LNG will fuel 51% of long haul operators by 2020.

60% of Natural Gas Utilities believe that NG stations will be easily available by 2030.

50% of Equipment suppliers think that home refueling appliances will be easily available by 2015.
Dillon Trucking supplied a sample ROI calculation that demonstrates the possible payback for switching to NG.

10 trucks
x
200,000 miles a year
÷
5mpg
=
400,000 DGE per year

400,000 DGE per year
x
$1.50 fuel savings
=
$600,000
savings on fuel costs per year

Incremental cost of NG truck $50,000
x
10 vehicles
=
$500,000

Payback period for trucks is 10 months.
Trucks of this class typically are warranted for five years. The savings, going forward, could be used for capital recovery on infrastructure development.
Verdek LLC

Verdek LLC was founded by the former president of Pirelli Tire North America and VP with Porsche-Audi, Guy Mannino.

Over 27 years of international business experience
Served in high level executive capacities with numerous world class companies.
Exclusive distributor in the South Central U.S. for ChargePoint networked electric vehicle charging stations.
North American distributor for the Italian Tazzari Zero, also sells the ZAP line of EV’s

U.S. Distributor of Galileo CNG Fueling Solutions
Galileo Natural Gas Technologies

- Established 1987
- Based in Buenos Aires, Argentina
- 2,000 installations in 65 countries
- Ground-up design for CNG fueling
- Certification ISO 9001 & ISO 15500
- CE, UL and NFPA Certified
Scalable to Fit Wide Range of Fleets

<table>
<thead>
<tr>
<th>Product</th>
<th>Maximum SCFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Femto Box</td>
<td>50</td>
</tr>
<tr>
<td>Nanobox</td>
<td>200</td>
</tr>
<tr>
<td>Microbox</td>
<td>2,000</td>
</tr>
<tr>
<td>Gigabox</td>
<td>2,000+</td>
</tr>
</tbody>
</table>

State of the art dispensers and a “virtual pipeline” for gas delivery in areas not served by a gas pipeline
Unique Approach to CNG Fueling

• Compact design/small footprint
• Equipment housed in explosion-proof steel container
• Software learns and anticipates peak demand
• Direct fill with buffer storage eliminates large storage vessels
• Plug and Play, 24/7 Remote monitoring
• Noise reduction system
• Energy management system
Unique Approach to CNG Fueling

MX compressors are rugged, reliable and efficient, and are the outcome of over 20 years of experience and millions of hours of operation. Available from 2 to 6 strokes, with power ranges from 75 to 600 kW and inlet pressures as low as .5 BarG (approx. 14psi) to handle a wide range of operation.

Some Additional MX Advantages:
- The MX product line is standardized resulting in smaller parts inventory
- Total absence of vibration reduces wear
- Ease of trouble-shooting and disassembly
- Direct coupling and forged steel parts

Site glass enables technicians to view system performance without the need for disassembly.
Galileo’s Enersave system reduces operating costs by controlling energy use. The smart software controls the variable speed motor to avoid electrical demand peaks and even the compressor’s daily duty cycle to anticipate fueling needs.

<table>
<thead>
<tr>
<th>Old</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow: 153 SCFM</td>
<td>Flow: 613 SCFM</td>
</tr>
<tr>
<td>6 large storage bottles take up space</td>
<td>Buffer storage included inside the cabinet</td>
</tr>
<tr>
<td>No monitoring system</td>
<td>Sophisticated remote monitoring alert system</td>
</tr>
<tr>
<td>Over 200db</td>
<td>Approximately 75db</td>
</tr>
</tbody>
</table>

The natural gas is cooled at each stage of the compression cycle. The cooled gas goes directly to the dispenser, and provides a full “fill” regardless of the ambient temperature.
The Galileo Advantage is significant when compared with “traditional” CNG compression systems. Galileo CNG stations typically produce up to 4 times the flow with the same inlet pressure and power usage.

The Future is Now.

<table>
<thead>
<tr>
<th></th>
<th>Traditional</th>
<th>Galileo</th>
<th>Average reduction in costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Large Amount of Storage, Low Flow</td>
<td>Minimum Storage High Flow</td>
<td>15%</td>
</tr>
<tr>
<td>Installation</td>
<td>Multiple Interconnected Components</td>
<td>CNG Station in a Box</td>
<td>30%</td>
</tr>
<tr>
<td>Operational Costs</td>
<td>Soft Starter (some compressors) Compressor derived from oil compressor technology</td>
<td>• Soft Starter • Energy Efficient • Compressor Designed Exclusively for CNG Applications</td>
<td>40%</td>
</tr>
<tr>
<td>Safety</td>
<td>No Cabinet, Open to Atmosphere &amp; Elements</td>
<td>Explosion Proof &amp; Protected Cabinet</td>
<td>Priceless</td>
</tr>
<tr>
<td>Service</td>
<td>Varies</td>
<td>Manufacturer’s service available nationwide</td>
<td>50%</td>
</tr>
<tr>
<td>Noise</td>
<td>150db</td>
<td>75db</td>
<td>Half</td>
</tr>
<tr>
<td>Vibration</td>
<td>High Levels of Vibration - Higher Maintenance Costs</td>
<td>No vibration -- lower maintenance costs</td>
<td>No Related Maintenance Repair</td>
</tr>
<tr>
<td>Average OM</td>
<td>5000 Hours</td>
<td>8000 Hours</td>
<td></td>
</tr>
<tr>
<td>Running Time</td>
<td>High Low SCFM</td>
<td>Lower than traditional systems High SCFM</td>
<td></td>
</tr>
<tr>
<td>Operating RPM</td>
<td>High</td>
<td>Low</td>
<td></td>
</tr>
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The Galileo Advantage

Galileo’s entry into the U.S. market will revolutionize CNG fueling.

Questions?

www.verdek.com