$MAY E R \bullet B R O W N$

C. Paul Miller GE Aeroderivative Energy 8th Annual Global Energy Conference

THE WORLD TURNED UPSIDE DOWN

May 2013

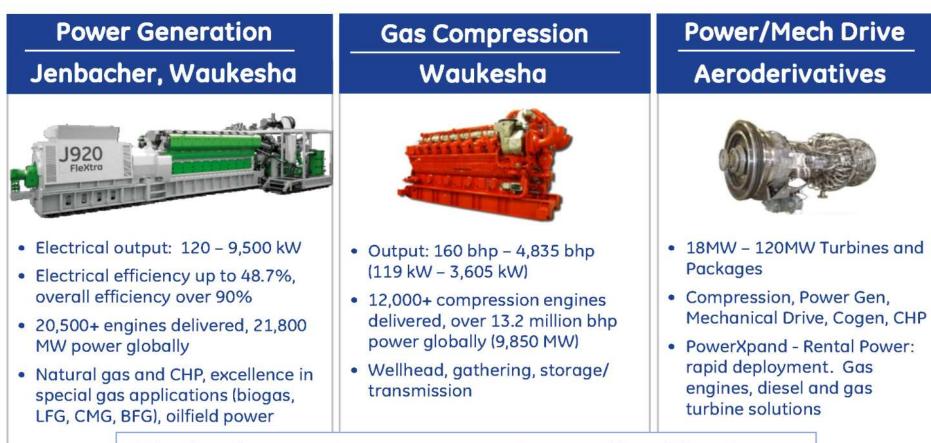
GE's portfolio ... structured for growth

- 8 businesses operating in more than 100 countries ... 125+ years
- >300,000 employees worldwide
- 2012 revenue **\$147.4B**



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Distributed Power – Gas Engines & Aeroderivatives



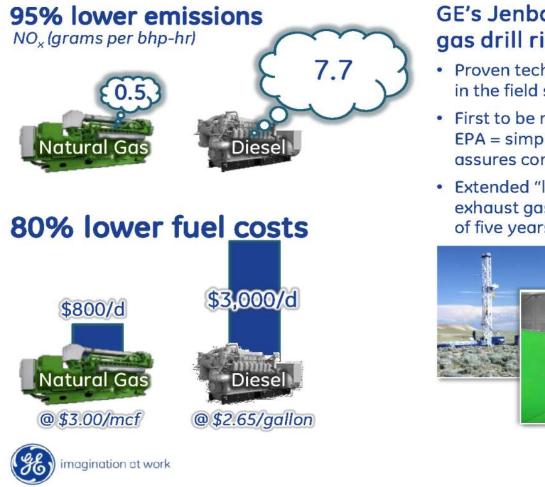
Global services covering all offerings



GE imagination at work

Natural Gas powered drilling

Why power a drill rig with natural gas instead of diesel?



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GE's Jenbacher J320 natural gas drill rig power plant

- Proven technology with over 20 units in the field since 2006
- First to be mobile certified by U.S.
 EPA = simplified permitting and assures compliance
- Extended "lifetime" warranty on exhaust gas train related components of five years and 21,000 hours

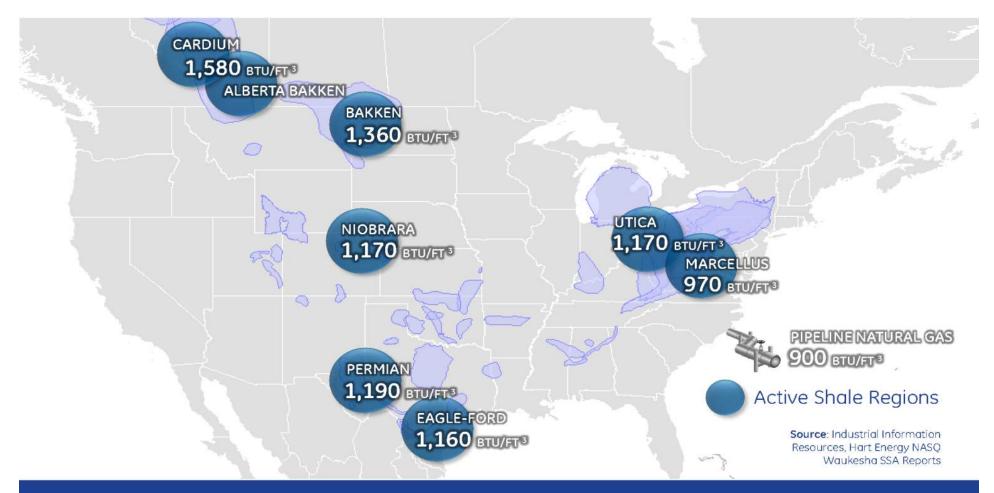
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MAYER • BROWN

5/13/2013

Expanding shale plays and gas quality



Gas gathering and processing plants see high-BTU gases needed for compression



Oilfield diesel-to-gas drill rig power

GE's gas engines solutions...

	Jenbacher* J320	Waukesha* VHP* 7044	 Up to 60% lower operating costs Up to 25% lower NOX/CO emissions
~	Rated output: 1007 kW Lean-burn	 ✓ Rated output: 1200 kW Rich-burn 	Loading capabilities
~	Installations on both field gas & LNG	 Fuel flexible for variable btu (Hot Gasses) 	100% - 80% -
~	1 st U.S. EPA certified for mobile & stationary	 Capable of running HD-5 propane 	60% -
~	Up to 37.2% electrical efficiency	 Diesel like transient load capability 	40% - 20% -
~	Up to 25% reduced emissions	 ✓ Up to 25% reduced emissions 	0% Diesel
~	Over 20 installed in N. America as of 2012	 ✓ First 3 units of 18 order shipped for 1Q 2013 	Rich-burn Lean-burn (without load bank)

End user: Seneca Resources Marcellus shale, Pennsylvania Drilling operator: Ensign

- 6 x J320 engines
- 1st U.S. EPA certified technology for mobile and stationary drilling
- Operating on LNG
- Up to 60% lower fuel costs compared to diesel
- Emissions reduction up to 25%

*Trademark of General Electric Company

... for results today!

Mobile Gas Turbine Generator Set



TM2500+ Technology Overview

Key Highlights

- Equipped with LM2500+ aeroderivative GT
 - Proven technology, over 42 million operational hours
- 23-31 MW on wheels
- 37% SC efficiency
- Dual frequency 50 or 60 Hz operation
- Liquid (#2 diesel and jet fuel) and/or gas fuel (natural gas and COG)
- Ambient temperature operational range from -39°C to 50°C
- Installation in days
- Global availability
- Turnkey solutions including O&M
- Fast start zero to 100% in 10 minutes

TM2500+ Layout

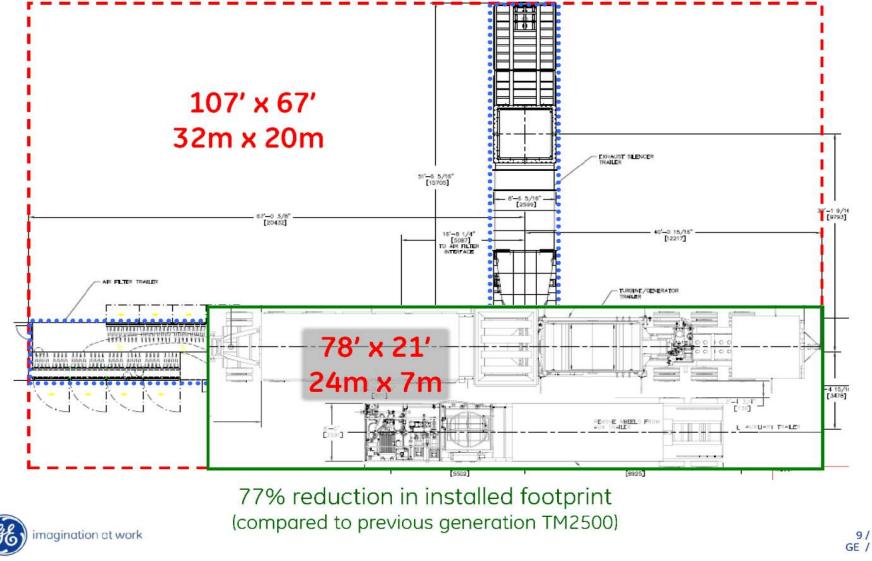




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Compact Footprint. Ultra Dense Power



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Hydraulic Fracturing Site Power



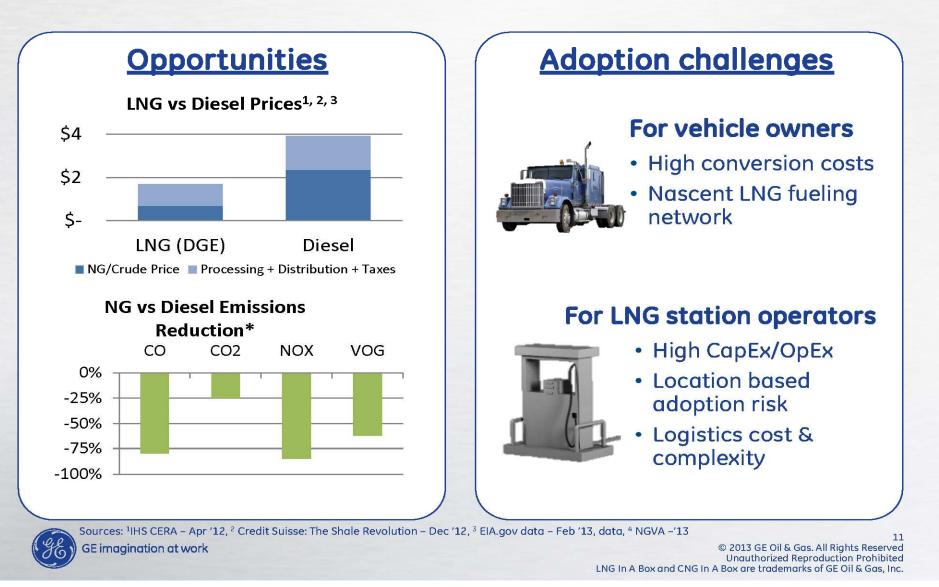
- GE's trailer-mounted TM2500+ aeroderivative gas turbine
- Delivers 25 MW of on-site power using field gas
- Evolution Well Services' Lethbridge, Alberta, well site.

This project demonstrates mobile natural gas technology's emissionsreduction and operational efficiency advantages over conventional diesel engines for powering hydraulic fracturing in unconventional gas fields.



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LNG-fueled transportation today



GE solutions for natural gas fueling infrastructure



GE imagination at work

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LOPEZ MENA



PRINCIPAL PARTICULARS

LOA:99.00 mLWL:90.54 mBeam:26.94 mDraft:2.98 mDeadweight:450 tonnes

Capacity:

- Over 1000 passengers and 150 cars - Duty freeshop over 1100 square metres **Engines:**

- GE Gas Turbine LM2500 - 2 x 22 MW Total power 44 MW

Waterjets:

- Wartsila LJX 1720SR

Gearbox:

- Renk Bus 175

Stargate 250 power plant capturing CO2 for Enhanced Oil Recovery (EOR)

GE LMS100 turbine **Sargas** patented process technology **DSME** commercial wrap

Ultra low emissions 250MW CC plant

- Competitive COE (cost of electricity)
- 80 95% Carbon Capture

Customer Value

- Oil Reservoir Production
- Power Generation
- Energy independence

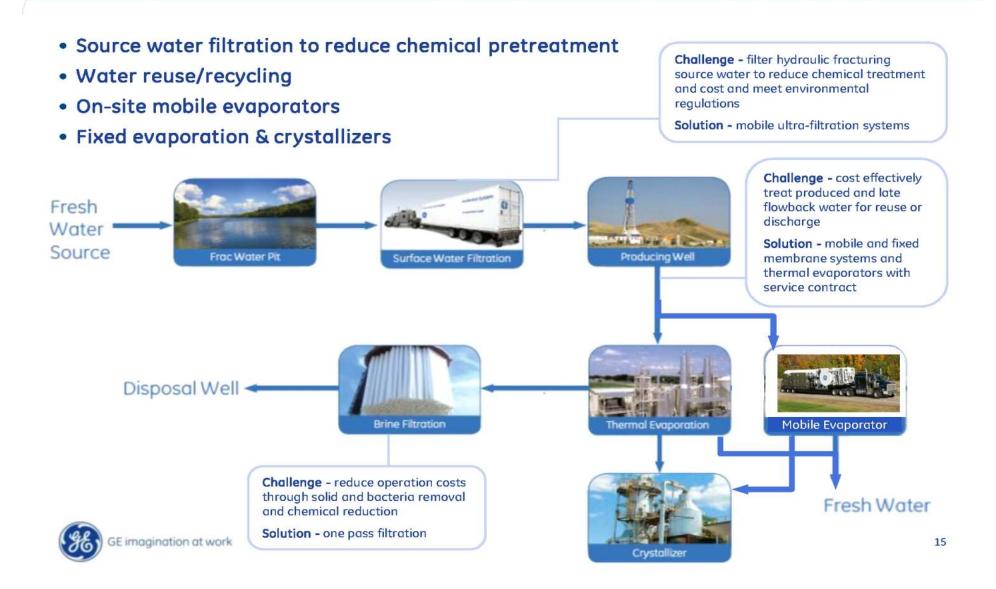




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GE solutions for water issues



Transforming LNG fueling infrastructure model

Traditional Large LNG



- Up to 72 months
- Custom, project-based
- Capital intensive
- High logistics complexity & cost

LNG for Transportation

- 6-24 months
- Modular & standard, product-based
- Reduced CapEx & OpEx
- Simplified logistics, on-site production

Breaking down traditional, complex LNG plants into modular, rapidly deployable solutions



GE imagination at work

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Commercial Fast Ferries

Ship Owner/Ship Name	Number/Type of units	Equipment Location	Propulsion	
Mols Linien				
Mie Mols*	2 LM 1600	Deck Zero	Water Jet	
May Mols*	2 LM 1600	Deck Zero	Water Jet	
Nordic Ferry Services				
Villum Clausen*	2 LM 2500	Deck Zero	Water Jet	
Stena Line				
Stena Explorer*	2 LM 2500 + 2 LM1600	Deck Zero	Water Jet	
Stena Discovery*	2 LM 2500 + 2 LM1600	Deck Zero	Water Jet	
Stena Voyager*	2 LM 2500 + 2 LM1600	Deck Zero	Water Jet	
Mega Yacht				
Ecstasea*	1 LM 2500	Deck Zero	Water Jet	

Buquebus:

Lopez Mena

2 x LM2500 Dual Fuel Deck Zero







* Packaged by Kværner Energy A/S

Water Jet



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LNG In A BoxTM system



Ideally suited for:

- Heavy-duty truck fueling stations
- Virtual pipeline
- Distributed power generation

Performance:

- 10,000-50,000 gallons per day LNG production
- Inlet gas: Pipeline
- Gas recovery: 80-82%
- Specific power 1.4 kWh/gal (1.3MJ/liter)

Features:

- Modular, rapidly (re)deployable design
- Simple methane cycle
- Minimal pad prep & quick installation
- 6-12 month lead time
- Highly automated operation
- Gas engine option available
- Equipment financing available

GE imagination at work

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Micro LNG system

Ideally suited for:

- HD truck fueling hub
- Rail
- Marine
- Peaking plants

SKAPA A

Performance:

- 100,000-300,000 gallons per day LNG production
- Inlet gas: Pipeline

Features:

- Methane based system with boil off recovery
- 8% improved power efficiency
- 40% reduced wasted methane
- Scalable design w/ multiple standard packages for rapid deployment
- Factory tested skids
- Plug & play, light civil work
- Targeting 12-15 month lead time

CNG IN A BOX ™ SYSTEM

- Collaboration between GE & Chesapeake Energy's Peake Fuel Solutions
- Turnkey technology, modular design, Plugand-play on site fueling solution
- Look and feel of a traditional diesel or gasoline dispenser
- ~80% emission reductions vs gasoline vehicles



GE's world-class compressor technology, GE Wayne's innovative dispenser technology, with available pay at the pump credit card reader, and a Remote Utility Box, GE Capital Financing



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TM2500+ Design

