



# Natural Gas

## Applying new technology to create & meet increasing demand

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Patron



Host



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# To meet today's and tomorrow's challenges ...

## GE provides solutions for the oil and gas space



### Gas Reinjection

Centrifugal compressors  
Gas turbines (Aero, HD)  
Electric motors  
Pumps & valves



### Powergen

Heavy duty gas turbines  
Aeroderivatives  
Recip. gas engines  
Steam turbines  
Industrial modules



### Electrification

Motors  
Compressors  
Pumps  
Turbogenerators



### Drilling & Production

BOP, risers & flow-lines  
Subsea systems  
Land wellheads & trees  
FPSO (aero)



### Full range LNG / FLNG solutions

Compressors  
Pumps & valves  
Gas turbines



### Pipeline Compression

Recip. gas engines  
Pumps & valves  
Gas turbines  
Centrifugal compressors



### Water treatment

Water reuse  
Thermal evaporators  
Ultrafiltration  
Chemicals

## ... to meet increasingly complex demands



GE imagination at work

# Applying new technologies to access unconventional supplies



Integrated  
offering  
+  
service  
excellence

# Liquefying natural gas offshore ... increasing supply

## Shell Prelude

- A breakthrough for tapping into stranded gas reserves
- 1<sup>st</sup> time LNG is liquefied offshore ... Australia & Malaysia

World's 1st Floating LNG applications ... expanding our LNG heritage

... and partnering to create & meet energy demand

## Chesapeake Energy Corp. Peake Fuel Solutions

Max. **7.5** GGE/min **Faster vehicle refueling**

- A simple, lower-cost fueling experience for consumers
- A high-margin, turnkey solution for facility operators

Speed adoption of natural gas as transportation fuel

... and bringing power to remote locations

Micro LNG

a product of  
ecomagination

↓ 25%

CO<sub>2</sub> emissions  
compared to diesel

Conversion of rail transport to LNG  
will generate new business opportunities



GE imagination at work

# Finally, creating & meeting demand by incubating our technology expertise

Investment ✕ Research ✕ [ Talent + Partnership ]



**\$988M**

Investment from  
2009 to 2012

**500+**

patents filed in the  
last 3 years



**3,000**

technical  
experts

**5**

Research Centers  
worldwide



**1,500+**

FSEs across all  
streams, 80%  
localized

**\$10M**

Technical Training  
Academy investment,  
530 sessions in 3 years



**3,000**

Customers trained  
in 2011

**43**

Session Ts since  
2007 with 24  
customers

**= Anticipating industry trends**

