Diverse technologies ... to meet any outcome

Gas
Wind
Nuclear
Solar
Smart Grid
Biomass
Pipeline Integrity
Water Technologies
Cleaner Coal
Oil & Gas
Jenbacher Gas Engines

A leading manufacturer of gas-fueled reciprocating engines for power generation

- Power range from 0.25MW to 4MW, 4 platforms / 10 products
- Fuel flexibility: Natural gas or a variety of renewable or alternative gases (e.g., landfill gas, biogas, coal mine gas)
- Plant configurations: Generator sets, cogeneration systems, container solutions
- Installed base: More than 8,000 units / 9,000 MW
High Performance Gas Turbines

Efficient heavy duty and combined cycle gas turbines can meet challenging energy needs

• Power range from 26 to 480 MW

• Flexible Usability: Power generation, cogeneration, district heating and a variety of industrial applications

• Efficient products can for the first time exceed the 60% efficiency barrier, reducing natural gas consumption

• Installed base: More than 6,000 units / 200 million hours
IGCC - Gasification

- Pioneered by GE 30 years ago
- Transforms cheap and plentiful coal into electricity with lower emissions than a traditional coal burning plant
- Protects against volatile natural gas prices

Imperatives for cleaner coal success

Reference plant commercialization
- Duke Edwardsport - Site work and detail design underway

Carbon solution
- Carbon policy
- Total carbon solution … Schlumberger CCS alliance

Next generation technology
- Powder River Basin
- Advanced gasification technology center
Smart Grid

The marriage of IT with our electrical infrastructure to support our 21st Century energy needs

• **Resource efficiency** … supports high penetration of wind, distributed solar and Combined Heat & Power (CHP)

• **Energy efficiency** … advanced controls to reduce transmission & distribution losses

• **Consumer efficiency** … enables consumers to manage energy usage and costs

• **Asset efficiency** … monitoring to fully utilize and extend life of existing assets

• **Operating efficiency** … remote monitoring & control to improve reliability and resource utilization
Renewable Energy

Wind & Wind Services
• Leading N. American wind turbine supplier
• 6x unit growth since ‘02
• 12,000+ 1.5MW installed globally

Biogas
• Power range: 0.25 MW-4 MW
• Fuel flexibility: Natural gas or a variety of renewable or alternative gases

Solar
• Residential, commercial and utility applications
• Largest commercial solar project in Asia
• PrimeStar Solar thin film technology investment

10 manufacturing/assembly sites
• 4,000 global employees
• Installed base: 14GW
• Projects in 40+ countries
• 10,000 sub-supplier jobs created
ESG Barriers

Many countries still impose tariffs on EGS

- Of the 153 WTO member nations:
  - Nearly 60% impose a mean tariff of 7.4% on wind turbines
  - Nearly 43% impose a mean tariff of 8.8% on solar panels
- The table below illustrates that many nations are still levying tariffs on carbon-reducing energy technologies

<table>
<thead>
<tr>
<th>Wind Turbine Tariffs</th>
<th>Solar Panel Tariffs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico 10.0%</td>
<td>Russia 20.0%</td>
</tr>
<tr>
<td>China 8.0%</td>
<td>India 15.0%</td>
</tr>
<tr>
<td>S. Korea 8.0%</td>
<td>U.A.E. 5.0%</td>
</tr>
<tr>
<td>India 7.5%</td>
<td>Columbia 5.0%</td>
</tr>
<tr>
<td>Russia 5.0%</td>
<td>Brazil 3.8%</td>
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<tr>
<td>U.A.E. 5.0%</td>
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</tr>
<tr>
<td>E.U. 2.7%</td>
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<tr>
<td>U.S. 1.3%</td>
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</tbody>
</table>
Renewable Tech Trade Implications

ESG Trade can stimulate the world economy while helping nations achieve their carbon reduction goals

- An Environmental Services and Goods Agreement (EGSA) will help reduce the cost spread between fossil fuel energy and renewables/green technologies
- Many WTO countries currently employ an inefficient mix of tariffs and non-tariff barriers on renewable technologies
- The DDA remains critical, but the current lack of momentum for it should not halt ESGA trade liberalization that will spur innovation and create incentives for carbon reduction
- Serious discussions about the potential of creating a separate ESGA should commence