## SGT-A65 - MARKET DRIVEN IMPROVEMENTS IN AERO GAS TURBINES IN MECHANICAL DRIVE DUTY

**David Wilson – Siemens Canada**

**SGT-A65**
*Increase in Power, Capability and Maintainability with Proven Aero Technology*

### Key Statistics
- Total Engines Sold: 115
- Fleet Hours: 2 million
- Power Generation Hours: 1.3 million
- Mechanical Drive Hours: 700,000
- WELE Fleet Hours (92 Units): 800,000
- DLE Fleet Hours (33 Units): 1.2 million

### Performance Specifications

<table>
<thead>
<tr>
<th>Product</th>
<th>GT Dry Gross Power (MW)</th>
<th>Efficiency (%)</th>
<th>Heat Rate (lkWh/h)</th>
<th>Emissions (ppm NOx)</th>
<th>RPM @ 100% Speed 10-100% standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>SGT-A65D</td>
<td>54</td>
<td>43.3</td>
<td>8310</td>
<td>25</td>
<td>3400</td>
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<td>SGT-A65E</td>
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</tbody>
</table>

### Engine Modifications
- **SGT-A65E Modifications**
  - Component changes to achieve Emissions, Power & TBO
- **SGT-A65F Modifications**
  - Component changes to achieve Power & TBO

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