January 26, 2018

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~70,000+ employees
120 countries
The first and only fullstream company
**Fullstream**

Rely on cutting-edge technology, digital solutions, and expert service across every segment

<table>
<thead>
<tr>
<th>Upstream</th>
<th>Midstream</th>
<th>Downstream</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation</td>
<td>Pipeline &amp; storage</td>
<td>Refinery</td>
</tr>
<tr>
<td>Drilling</td>
<td>LNG</td>
<td>Petrochemical &amp; fertilizer</td>
</tr>
<tr>
<td>Completion</td>
<td></td>
<td>Industrial power &amp; processing</td>
</tr>
<tr>
<td>Production &amp; optimization</td>
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</tbody>
</table>

Digital
Subsea Systems

Responding to industry challenges

- Lower for longer
  - Product standardization
  - Field proven solutions
  - New commercial models
  - Reduced cost and cycle
  - Project certainty
  - Enabling Subsea projects

- Project Complexity
  - Fullstream solutions
  - Digital technologies
  - EPCI capabilities
  - Integrated project delivery
  - Real-time data insights
  - Managing risk

- Pushing boundaries
  - Remote assets
  - Deep water
  - Life of field
  - Long offsets, subsea compression
  - Field-proven technologies
  - Integrated services solutions

DELIVERING INSIGHTS
- Leveraging real-time data at our factories and in the field, understanding the ‘sweet spot’ between safety, productivity & cost efficiency: SmartFacilities (Virtual Flow Meter); RealTrack™ Automated Pressure Testing
- engageDrilling portal – unprecedented access to real-time status information on GE equipment, whether at work in the field or in service centres

IMPROVING PRODUCTIVITY
- Enhancing operations by tapping into other industrial sectors – i.e. Advanced Metrology from GE Aviation; Robotics from GE Lighting (Brilliant Factories journey); Standardization/modularization roadmap, focusing on customization where it’s really needed: i.e. standardized manifold systems, DVXT

GE STORE
- Leveraging other GE businesses to better endure ‘Lower for Longer’ period, i.e. Brent Ave manufacturing components for GE Aviation’s LEAP jet engines

MASTERING COMPLEXITY
- Engagement at earliest stages of a project – establishment of a dedicated front-end engineering design (FEED) organization, true customer partnerships
- Reduced cost and cycle
- Project certainty
- Enabling Subsea projects
Early Supplier Involvement

Example Deepwater Project

- Replaced manifolds with in-line tees
- Replaced Clad Pipe with Super Duplex
- Replaced optical with comms-on-power
- Applied Virtual Flow Metering
- Tied outlying wells to Well-Doublers
- Electrification of Manifold Valves
- Flexible Risers. HCR Thermoplastics
- Multi-bore Hubs

Substantial CAPEX and OPEX savings with lower risk
Subsea Compression

Enables satellite tie-backs, lower cost through eliminating large topsides

Proven through Ormen Lange Pilot project

<table>
<thead>
<tr>
<th>Scope</th>
<th>Qualification of the world’s first subsea compressor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer</td>
<td>Ormen Lange License</td>
</tr>
<tr>
<td>System test conditions</td>
<td>Submerged, with Ormen Lange gas and condensate</td>
</tr>
<tr>
<td>System test completed</td>
<td>September 2015</td>
</tr>
<tr>
<td>Running hours in system test</td>
<td>4180 hours</td>
</tr>
<tr>
<td>Max electric power tested</td>
<td>14.4 MW</td>
</tr>
<tr>
<td>Liquid rate</td>
<td>Estimated up to 5% LMF</td>
</tr>
<tr>
<td>TRL after</td>
<td>TRL5C (in a dry gas system)</td>
</tr>
</tbody>
</table>
Long Offset Control Systems

A world record tie-back distance of 170Km

Client : Statoil
Location : Snøhvit Field, Barents Sea
Water Depth : 330 metres

Solution :
• 4-slot Template Manifolds
• 7” Horizontal trees
• E/H and Fibre Optic Controls
• Back-up Satellite Control System
• ROV based intervention and flowline connections
Brilliant Factories

Integrated product design…
- Collaborative, 3D art to part
- Multisite real time

Virtual manufacturing…
- Simulated manufacturing
- Improved planning and provisioning

Intelligent machines…
- Sensor enabled automation
- Data collection and use

- Flexible factories…
  - Real time adjustments to shop processes

- Reconfigurable supply chains…
  - More agility and visibility
We invent smarter ways to bring energy to the world.