The Leman Alpha installation is in the Southern part of the UK sector of the North Sea, 69km (43 miles) North east of Lowestoft, 50km (31 miles) from Bacton and 48km (29 miles) from the nearest point off the Norfolk Coast. The installation is a Normally Attended Installation (NAI).

- Leman Alpha
- Leman Charlie
- Leman Echo
- Leman Golf
- Leman Bravo
- Leman Delta
- Leman Foxtrot

The Leman Alpha installation produces and processes natural gas from its own wells. It imports and processes gas from the remainder of the Leman field platforms, Bravo, Charlie, Delta, Echo, Foxtrot and Golf. It also imports natural gas and liquids from Corvette, Brigantine (BG and BR), Caravel and Shamrock.

### KEY FACTS

<table>
<thead>
<tr>
<th>Block</th>
<th>49/26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sector</td>
<td>Southern North Sea</td>
</tr>
<tr>
<td>Approx distance to land</td>
<td>69km (43 miles) North East of Lowestoft</td>
</tr>
<tr>
<td>Water Depth</td>
<td>121ft (37m)</td>
</tr>
<tr>
<td>Hydrocarbons Produced</td>
<td>Gas</td>
</tr>
<tr>
<td>Export Method</td>
<td>Piped to Bacton Gas Terminal</td>
</tr>
<tr>
<td>Operated / Non-Operated</td>
<td>Operated</td>
</tr>
</tbody>
</table>
INFRASTRUCTURE INFORMATION

Entry Specification:
GSV 37-44.5MJ/sm³, Oxygen <0.2%, CO₂ Max 2 mol%, H₂S <3.3ppm, Total Sulphur <15ppm, Inerts <7%, N₂ <5%.

Outline details of Primary separation processing facilities:
Three Stage Compression Station with Fiscal Metering. Export Pipeline to Shell Bacton Gas Plant.

Outline details of gas treatment facilities:
Gas Compression.

HIGH LEVEL CAPACITY INFORMATION

The basic capacity information is portrayed by colour coded 'traffic lights' that reflect thresholds of availability over the next 5 years.

Available Capacities

<table>
<thead>
<tr>
<th>Description</th>
<th>Capacity</th>
<th>Ullage as % of system capacity</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEMAN WEST &amp; No1 Sealine</td>
<td></td>
<td>2015 2016 2017 2018 2019</td>
<td></td>
</tr>
<tr>
<td>Gas compression+export capacity (LP 120 MMscf/d; HP 280 MMscf/d)</td>
<td>Additional capacity may be available if existing production is constrained / backed out</td>
<td>Liquid handling constrains to be considered</td>
<td></td>
</tr>
</tbody>
</table>

CONTACT INFORMATION

Shell
For further enquiries regarding the above please contact Moataz Darwish
+31 (0) 592368177 moataz.darwish@shell.com

Last update: January 2015

Disclaimer: All the above information is provided by Shell U.K. Limited (for itself, and other Shell group companies including Enterprise Oil U.K. Limited):
- In good faith and without any liability
- Without warranty, implied or express to its accuracy or relevance of use to any other party
- That in any agreement or arrangement with Shell U.K. Limited its use shall be “Subject to Contract”
Shell U.K. Limited reserves the right to update and change the data at any time.