ICELAND – DATA CENTER FACTSHEET 2014
Renewable energy - Connectivity - Climate - Taxes - Labour force

ENERGY
Multi-year fixed-price contracts available at highly competitive prices underpin low and predictable OPEX. 100% renewable electricity provides security of supply without dependence on fuel purchases and availability.

BUSINESS ENVIRONMENT
Iceland’s pro-business government welcomes data centers with a corporate income tax rate of 20% and competitive incentives.

NATURAL ENVIRONMENT
Iceland’s unique environment is free of hurricanes, thunderstorms, tornadoes, wildfires, heat waves and large tsunamis. Predictable seismic activity and volcanic eruptions occur far from urban areas and key infrastructure is robust and redundant.

AVAILABLE LAND
Iceland has an area of 103,000 square kilometers/39,769 square miles with 325,000 inhabitants. Most municipalities have scalable sites available, often zoned and close to necessary infrastructure such as electricity grid supply points, substations and fiber.

LABOUR FORCE
The country has a young and well educated workforce ranked highly for Technological readiness and Higher Education and Training in the Global Competitiveness Report 2014-2015, published by the World Economic Forum, ICT and engineering are the most popular in Icelandic Universities which are open for direct cooperation with the data center industry. English is very widely spoken.

COOL YEAR-ROUND CLIMATE
Iceland’s unique temperate oceanic climate makes year-round ambient cooling possible and thus optimizes the Power Usage Effectiveness (PUE) to save energy and costs.

100% RENEWABLE ENERGY
All electricity on the Icelandic grid is produced using renewable hydro- and geothermal energy. In 2013 the total electricity production was 18 TWh. GWh, 71% from hydro and 29% from geothermal.
DOMESTIC FIBER NETWORK

The main national fiber network, operated by Mila, is 1,800km/1,118 miles and based on ring structures for redundancy. The initial capacity is 40x10Gb/s. The total optical fiber in the trunk network is over 4,000 km/2,485 miles and Mila operates an extensive microwave trunk network.

INTERNATIONAL CONNECTIONS

Iceland is connected to both North America and Europe with high bandwidth submarine fiber cables. Both the overseas connection and the backhaul is redundant. Even further trans-Atlantic high speed connections, with links to Iceland, are planned.

LATENCY

<table>
<thead>
<tr>
<th>Route</th>
<th>Latency (msec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hamina → New York</td>
<td>51.3</td>
</tr>
<tr>
<td>Lulea → New York</td>
<td>52.5</td>
</tr>
<tr>
<td>Reykjavík → New York</td>
<td>40.6</td>
</tr>
<tr>
<td>Hamina → London</td>
<td>18.3</td>
</tr>
<tr>
<td>Lulea → London</td>
<td>18.7</td>
</tr>
<tr>
<td>Reykjavík → London</td>
<td>18.9</td>
</tr>
</tbody>
</table>

NATIONAL NETWORK

<table>
<thead>
<tr>
<th>Route</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farice -1 to Scotland</td>
<td>8 Terabits/s</td>
</tr>
<tr>
<td>Greenland Connect to Greenland/Canada</td>
<td>1.9 Terabits/s - Upgradable</td>
</tr>
<tr>
<td>Danice to Denmark</td>
<td>24.8 Terabits/s</td>
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</tbody>
</table>

INVEST IN ICELAND

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