



DATA CENTER

# Keeping IT cool the natural way

**100% Renewable Energy -  
abundant, predictable and inexpensive**

**Resilient High Speed Fibre Links  
to Europe and North America**

**Operational Today**

**ISO27001 Accredited**

# Thor Data Centre from Virtuous Networking

## Keeping IT Cool the Natural Way

### **Renewable energy**

Responsible companies doing their part to build a sustainable world need access to reliable and sanctioned power sources. For them Iceland is a strategic no-brainer. Affordable energy is plentiful in Iceland from clean renewable hydroelectric and geothermal energy sources. Economical and ecological reasons make Thor Data Centre the perfect partner for astute business leaders looking for a stable and secure data-storage option.

### **Making all your energy usage carbon neutral**

For technology companies carbon neutrality is not just a public relations issue anymore. With the ever-continuing evolution of corporate tax codes, leaving a large carbon footprint will ultimately become one of the major business expenses corporations must pay. Efficient energy usage represents a clear and present challenge for all modern business leaders. Partnering with Thor DC will set you apart from the rest, allowing you and your company to stay ahead of the curve, as energy shortages appear in major cities and areas all over the world.

### **Lower energy cost**

The energy prices in Iceland are both competitive and predictable. They are not dependent on external factors such as fluctuations in the price of oil or large shifts in consumer demand. The power costs are generally less than half the current average costs of power in Europe or North America. Furthermore, one must factor in the significant reduction in power consumption and additional financial savings resulting from the use of natural free cooling and lower ambient temperatures.

### **Flexible capacity**

Thor uses a modular design – a relatively new data centre technology which has quickly become the method of choice in the industry. This technology allows data centres to be composed of smaller units, so-called performance optimized datacentres (POD), which offer increased flexibility in scaling new ventures. Thor DC is ready for a rapid expansion of its current facilities.

### **Security guaranteed**

You can trust us with your data. Customers have access to 24/7/365 NOC and Helpdesk. This includes telephone and email access for identification of faults with the assigned service.

Additional support and professional IT services can be purchased. Thor Data Centre is connected to the Icelandic power grid, which has one of the highest uptime in the world. Local data transfer is also very robust. There are three subsea cables from Iceland to Europe and US, which are run as a unified system. If one route is down, for any reason, traffic can be routed via the other links. Similarly, within Iceland, landing stations are physically remote from each other and are served by highly resilient fibre routes. Roundtrip latency between Reykjavik and London is around 36ms - suitable for the vast majority of applications. Between Reykjavik and Halifax roundtrip latency is 66ms and Reykjavik to Copenhagen is 30ms, again suitable for the vast majority of applications. Thor Data Centre meets the requirements of being a Tier 3 classified data centre by fulfilling the criteria set forth by the Uptime Institute, and is certified to ISO 27001 for security.

### **Highly skilled staff**

Thor DC was founded by a group of seasoned entrepreneurs with over 50 years combined experience in the telecommunications industry, having built high-speed data networks throughout Iceland, which is the second-largest island in Europe with 103,000 km<sup>2</sup> of fairly rough land area. Highly skilled, experienced and multilingual IT professionals guarantee that customer demands are met both in terms of technology, data security and uptime.

### **At the forefront of Data-storage technology**

Thor DC uses secure POD modules for its data storage servers, which gives the customer the opportunity to have his own secure POD within the Data Centre. The cooling technology is based on a natural free cooling developed by AST – Global in co-operation with Thor Data Centre. This technology brings the data centre down to very low PUE levels.

### **Opera Software partners with Thor DC**

Opera Software ASA, the Norwegian software company primarily known for its Opera family of web browsers was one of the first global companies to host its data with Thor DC. Opera Software currently has over 110 million users for its browsers across the world. Opera has several hosting centres globally and today runs a significant part of its electronic data traffic through Thor Data Centre.

***SINCE STARTING ITS OPERATIONS IN EARLY 2010 ,THOR DC IS NOW BELIEVED TO BE THE MOST ECO-FRIENDLY DATA CENTRE IN THE WORLD.***

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