

→ Riihimäenportti

# YOUR NEW DATACENTRE OPPORTUNITY IN SOUTH FINLAND



Lemminkäinen



Follow in the footsteps of Google, Yandex, Microsoft, Atos and TelecityGroup, who have all set up or are planning datacentres in Finland—where datacentre setup and operating costs are lower than in most other places in Europe.

#### **Riihimäenportti— easy reach, developed infrastructure**

Riihimäenportti, a 14-hectare (35-acre) greenfield site is located a little outside the centre of the city of Riihimäki, about 60 km (37 mi) from the capital Helsinki. A network of smaller roads provides alternative access routes. The distance to Helsinki-Vantaa international airport is 65 km (40 mi), a 40-minute drive. The nearest rail connection is in Riihimäki, 5 km (3 mi) away.

#### **Minimal hazard**

Nobody wants a railway, cargo terminal or industrial plant next to their datacentre. Apart from roads, there is only forest around you. No rivers to cause floods, no earthquakes in a seismically low-activity region, no extreme weather conditions.

#### **Lots of space**

The site has a buildable area of 50,000 m<sup>2</sup> (540,000 sq ft). The soil provides a good foundation, and with minimal elevation variance, construction can begin quickly. Zoning is in effect, all you need is a building permit. When your operation grows, you have a possibility to expand into unused land next to the site.

The size and shape of the property give you a lot of flexibility. If you want maximum space under one roof, you can go up to 44,800 m<sup>2</sup> (482,000 sq ft) floor area.

#### **Power up to 100 MW**

A 110-kV power line comes right to one corner of the site. Available load will increase to approximately 100 MW (easily satisfying, for example, a 200 W per sq ft power density requirement) when a new power line is completed in 2016. The reliability of power transmission has top priority in Finland.



### Fast digital and fibre network

For latency, vital in the datacentre business, Finland boasts one of Europe's most efficient digital and fibre optic data networks. Fibre at 50–100 GB per second is available 300 metres from your site. Three of the country's largest operators are available for redundancy. The nearest national (Ficix) fibre hub is in Helsinki, about 70 km (44 mi) away.

### Low cooling cost

Temperate climate, translating into lower cooling costs, is Finland's trump card for datacentre operators. In Riihimäki, average monthly temperatures range from  $-9^{\circ}\text{C}$  ( $16^{\circ}\text{F}$ ) in January to  $16.6^{\circ}\text{C}$  ( $62^{\circ}\text{F}$ ) in July. The mean annual in southern Finland is around  $5^{\circ}\text{C}$  ( $41^{\circ}\text{F}$ ).

Ample resources of ground water for cooling are available

on site. A water mains and sewer to the site are expected to be completed by the end of 2014.

### Why Finland?

Finland is a stable society with an advanced technology infrastructure and more than 20 universities for talent. Riihimäki itself offers ICT education for adults in Hyriä Education. In business, nearly everybody speaks English. Corruption is next to non-existent.

The corporate and capital tax rates are the lowest in the EU. Power costs a lot less than in some other parts of Europe. Datacentre operators get an additional tax break: the government cut electricity tax for datacentres by more than half in April 2014.

## Riihimäenportti greenfield datacentre site

- Coordinates: N60.753888, E24.724444
- Site area: 14,000 hectares (35 acres), expandable after zoning
- Buildable area: 50,000 m<sup>2</sup> (540,000 sq ft)
- Topography: Nearly rectangular with minor elevation variance
- Permits: Only building permit required
- Neighbouring activities: Motorway, roads, forest
- Natural hazards: None
- Power: 25 MW built, 100 MW by 2016, 110 kV
- Connectivity: 50–100 GB fibre, three operators
- Cooling: Ground water, air cooling (temperate northern climate)
- Distances:
  - Nearest town Riihimäki 4 km (2.5 mi), 29,000 inhabitants
  - Capital Helsinki 60 km (37 mi)
  - Nearest airport Helsinki-Vantaa International 65 km (40 mi)



# GET IN TOUCH. COME FOR A VISIT.

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