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# ARCTIC CONNECT

For “Connecting the Arctic” Panel in Oulu, Finland

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Presentation 14-June-2017

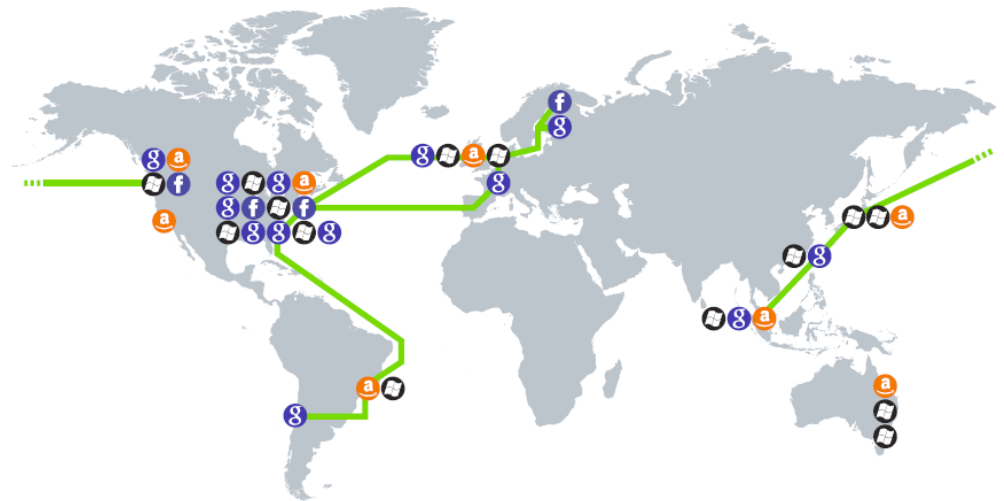
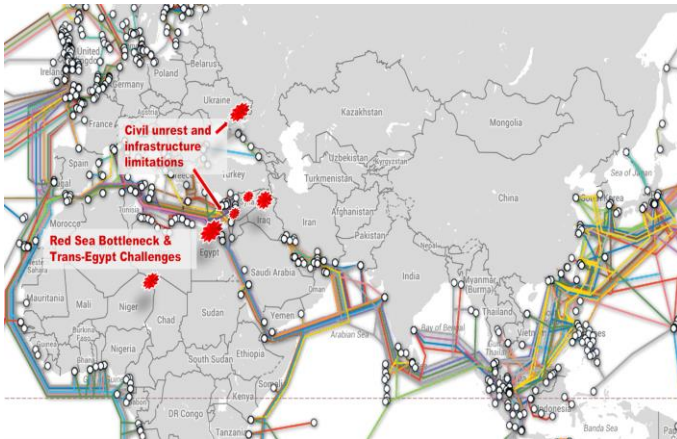
Petri Hyypä



# NEED FOR ARCTIC CONNECT

## CAGR FORECASTS FOR EUROPE-ASIA TRAFFIC 30 .. 35%

- *Arctic Connect is expected to take a significant share of the growth anticipated*

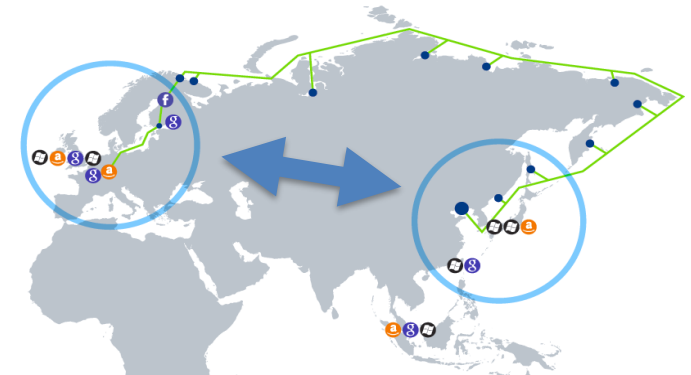


OTT'S INCREASINGLY INVESTING INTO UNDERSEA CABLE SYSTEMS



# POTENTIAL BENEFITS

- Vattenfall study in 2014 concluded that “as many as 60 major data centers may be established in Europe in the next 15 years, and many of them could be located near the Arctic Circle in the Nordic countries.”
- Out of the 60 major data centers, Finland could with the combination of Sea Lion and Arctic Connect combined attract as many as 1-2 hyper scale (50+MW), and 2-5 large (10+MW) new data center investments, in addition to the smaller regional data center initiatives.



## Impact of a hyper scale data center investment

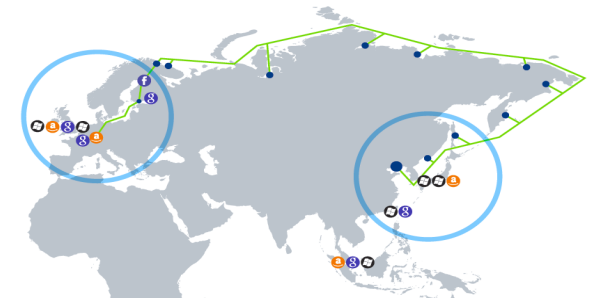
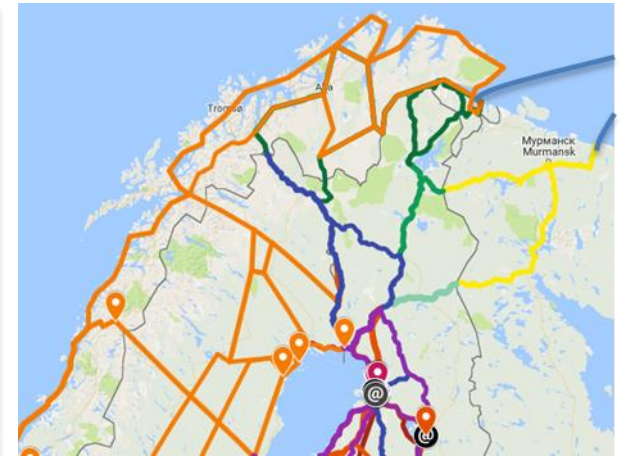
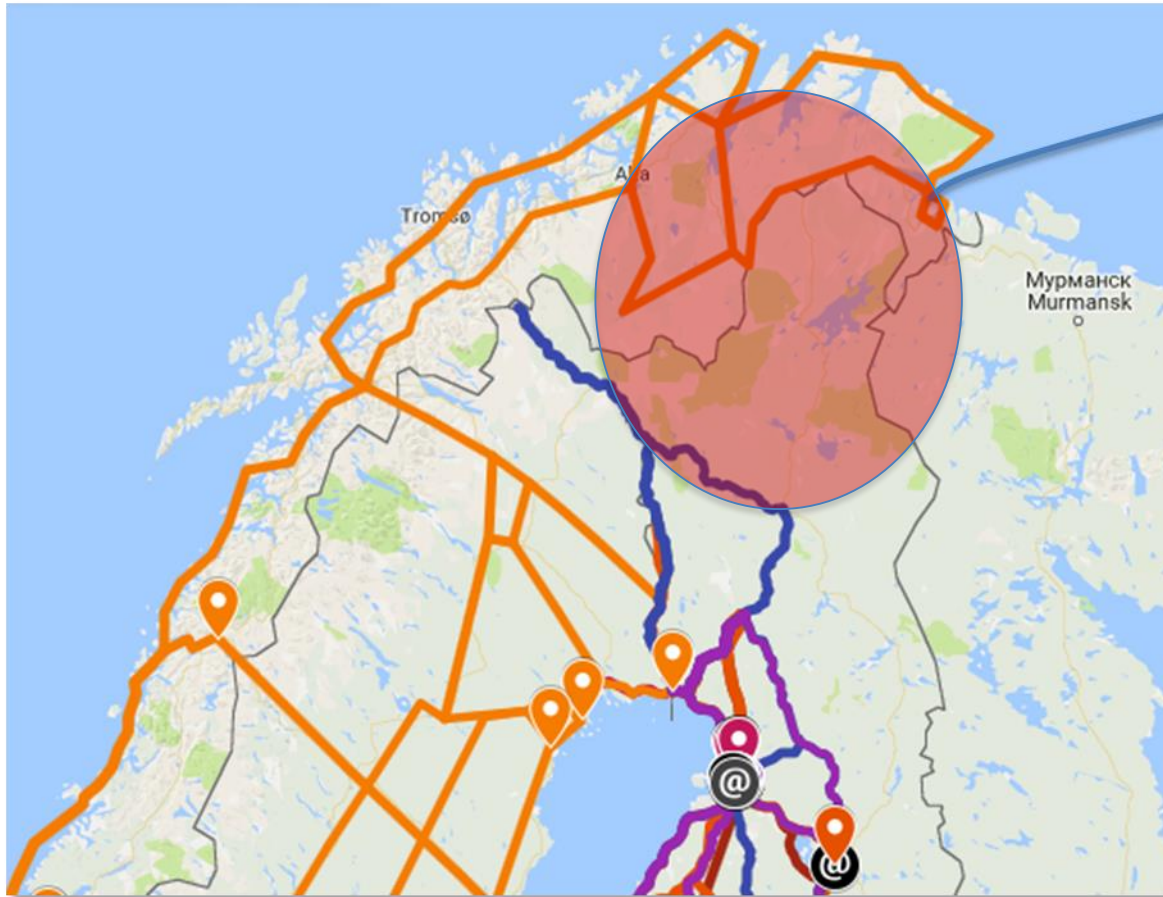
- Oxford Research Group Report on Google Hamina investment indicated that “one data center of EUR 400 million results in as many as 4,500 full-year equivalent jobs over the course of a decade and total economic impact of approximately EUR 1 Billion”.

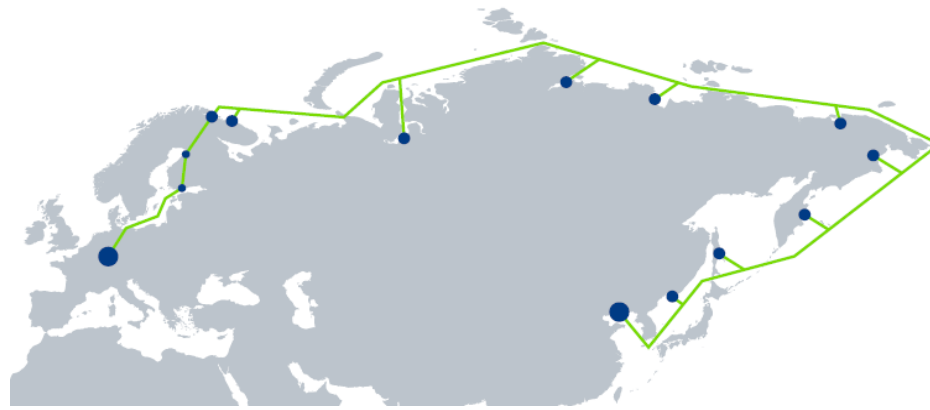
## Impact of a large data center investment

- Impact of a EUR 100 million investment into a large 10+MW regional datacenter can be estimated to result into a 1,900 full-year equivalent jobs over 10 year calculation and total economic impact of approximately EUR 190 million. *(Proceed Consulting impact analysis on unnamed investment case)*



# REGIONAL CO-OPERATION NEEDED





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# THANK YOU !

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