

Confidential

Arctic Connect, From vision to reality

Development Plan 2017-2020

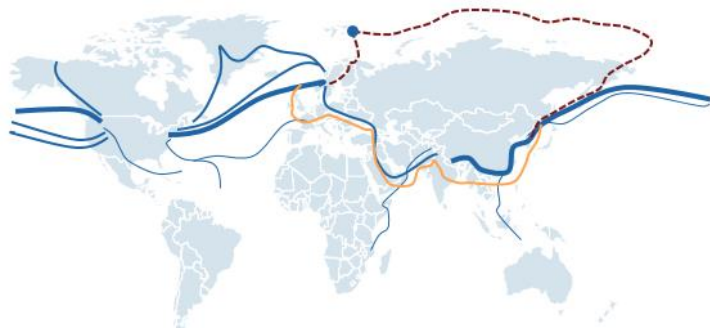
Jukka-Pekka Joensuu, Executive Advisor

Cinia 2017

Oulu 13.6.2017

Linking Europe-Asia-Eurasia will foster future growth and sustainable development in the Arctic region

The focus of building high speed submarine cables have been between US and Asia and between US and Europe, but the increasing data flow between Europe and Asia requires improved connectivity. Data cables are new trading routes in digital economy.



> 200%
the expected growth
of direct traffic flow
between Europe and
Asia in the next 5
years



The new connection between Europe and Asia would bring ~35% decrease in latency compared to mostly used traditional route: 156ms vs 247ms in the traditional Europe-Asia route

Arctic Connect plan for the system design

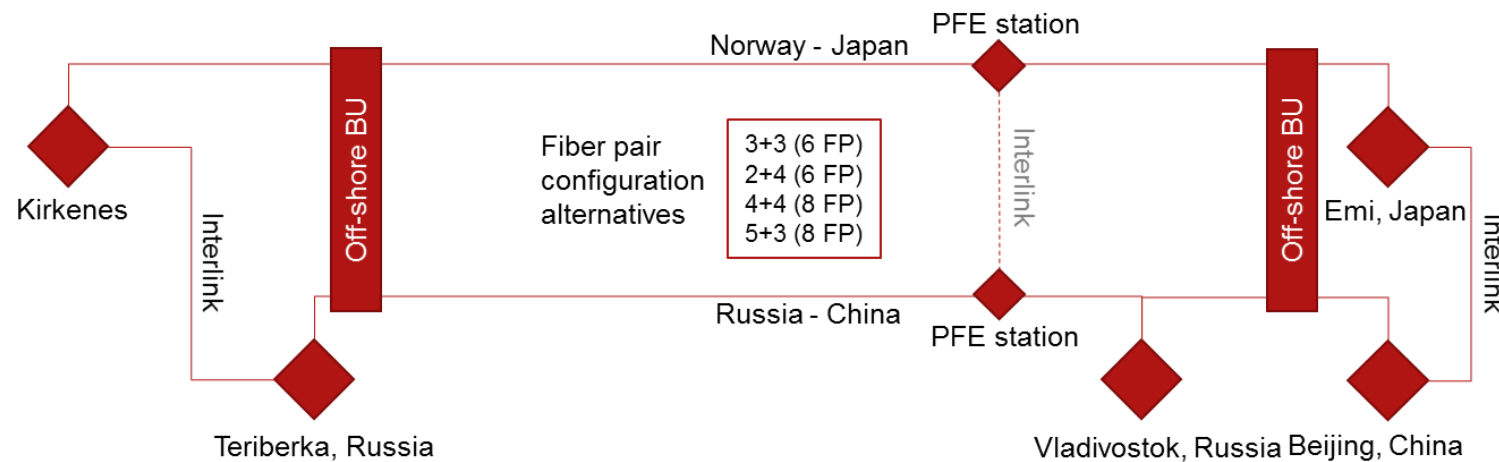
- Oulu and other areas in the Nordics play a major role in the system development and access to customers, Data Center development and uptake of industrial internet



Basic Design and Cyber Security

A truly international cable system connecting four continents

- In order to satisfy the technical and customer requirements, the Arctic Connect should be configured so there are direct links from Japan - Europe, China - Europe, China - Russia, Russia - Europe
- Also link to North America and connection with Quintillion Arctic Fibre possible
- These two links should have interlinks in both ends
- PFE stations could also have an interlink, in order to secure the power to the system



Bridging Europe and Asia



NEW DIGITAL HIGHWAY AT YOUR SERVICE

Cinia is building a fast, reliable and high quality connection to European and global networks. Future Networks are the backbone of digital economy. The high capacity connection is equipped with the latest cyber secure solutions to ensure safe traffic for sensitive services of public and private clouds. Expand your connectivity with Cinia for tomorrow's needs.

Arctic Connect, the key gateway
between Europe, Asia and Eurasia in
2020...

Thank You !