



ABOUT THE COMPANY

Cinia Group Ltd. is the leading network operator in Finland, providing a broad range of intelligent connectivity and ICT solutions as well as a 10,000 km fiber optic terrestrial trunk network.

<http://www.cinia.fi/en/c-lion>

Background

C-Lion is a high-capacity submarine fiber optic cable that runs under the Baltic Sea, connecting Helsinki, Finland to Rostock, Germany. At 1172 Km in length, C-Lion is the shortest, most secure connection from Finland to the rest of Europe, offering a new high-capacity network connection between eastern and western Europe.

Cinia selected Vertiv™ as its partner based on the quality and rapid deployment of dual cable landing stations Vertiv built for the West Africa Cable System (WACS) project. For C-Lion, Cinia needed a single integrated power and cooling module equipped with two diesel generators at both ends of the cable.



Capacity: 144 Tbit/s; 8 fiber pairs offering 18Tbit/s per fiber pair

Technology Supplier: Alcatel Lucent

Vertiv Solutions:

- Two cable landing stations equipped with NetSure™ 701 DC power systems (expandable to accommodate growth), Liebert® HPS cooling, AC distribution, inverter, 4 hour battery backup, access control fire system and generators

Results:

- Simultaneous deployment to Germany and Finland in 3 month time frame
- Vertiv's expert project management team successfully adhered to aggressive schedule
- Customized solution to meet local standards in Germany and Finland
- Designed and built to withstand corrosive marine atmosphere
- Met challenges of exacting specifications dictated by existing site infrastructure