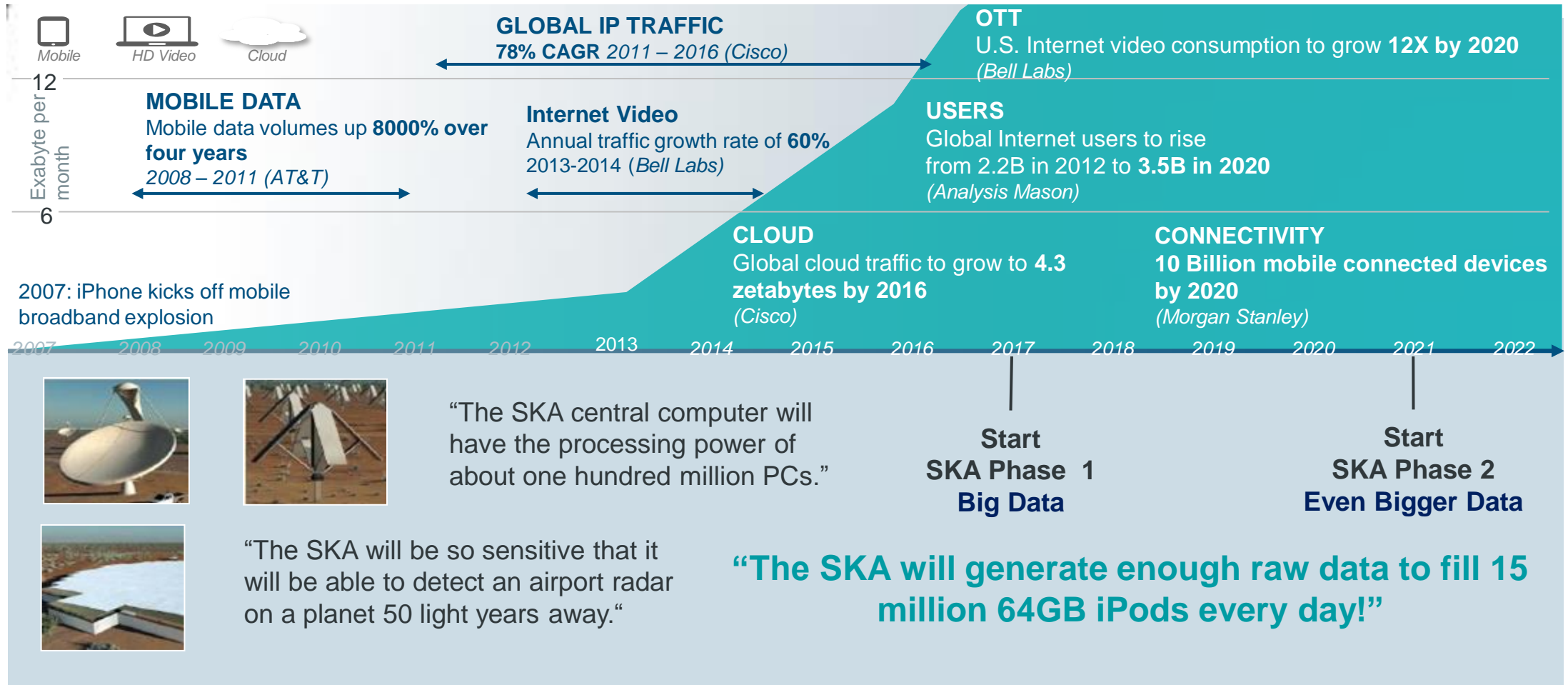


Waiting for the Big Data!

Gerlinde Bedö, Business Development, Coriant

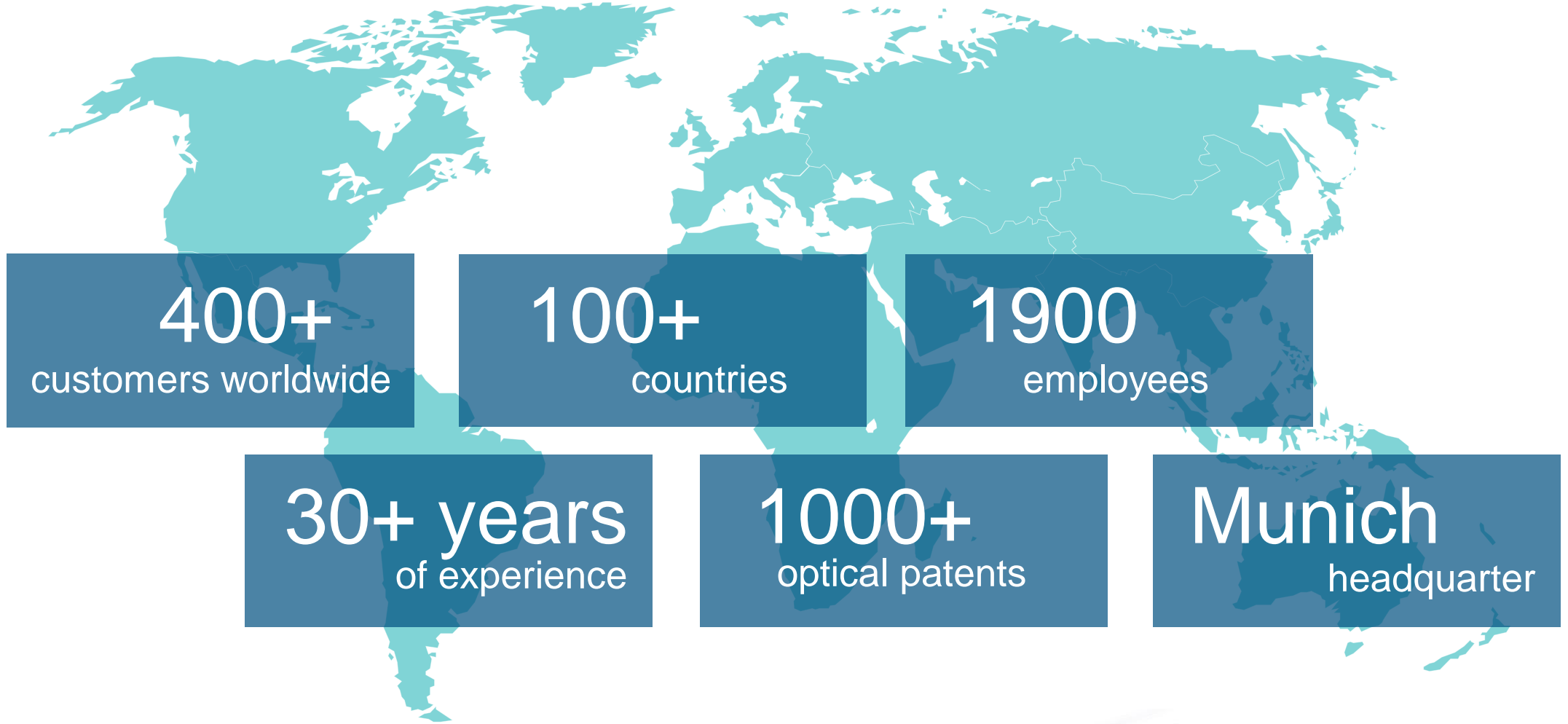
18 June, 2013

Some call it Hypergrowth, some call it Big Data




... but both will redefine optical data transmission


Coriant at a glance




Proven experience to build high capacity, large scale networks



 Strategic LH/ULH supplier since 2004


 Boosting Italy's first 100G network – up to 4 Terabits per second


 Future-proof 100G+ Pan European backbone, seamless IP/optical integration

 Largest mobile operator in Korea boosts network performance with superior 100G+ solution

 "Best New Service" award by Light Reading's Leading Industry-first U.S. coast to coast 100G deployment


... And networks for non telco providers, like utilities, gas and oil companies, municipalities, governments, public institutions

 Multi-province 40/100G super highway maximizes subscriber experience

 High-performance, high-capacity transport network

 Best-in-class DWDM powers 2010 World Cup

 World's longest repeater-free 40G channel submarine link

 Strategic partner for super fast, nationwide broadband network

Challenges

- Provision of a reliable backbone network connecting more than 80 universities and research organisations with high-speed and reliable data connections for 350,000 users
- Needed a trusted partner with extensive track record in DWDM
- Stepwise rollout requiring a flexible growth concept

Solution

- hiT7300 @ 100G coherent transmission technology
- Optical longhaul and metro network with ROADM and PXC
- Simultaneous transmission of up to 40 100G wavelengths and a total capacity of up to 4Tbps on a single fiber
- TNMS network management system ensuring simplified network operations and performance monitoring

Benefits

- Reliable optical fibre network
- Up to 100 Gbit/s user-specific domestic and international connections or light paths
- Network can easily be expanded both in size and capacity



“As demand for high capacity data transmission is constantly growing, 100G transmission has already become a key requirement for research and education networks. We have worked with Nokia Siemens Networks since 2008 and yet again the company’s technology has proven to be flexible, cost efficient, future proof and easy to operate.”

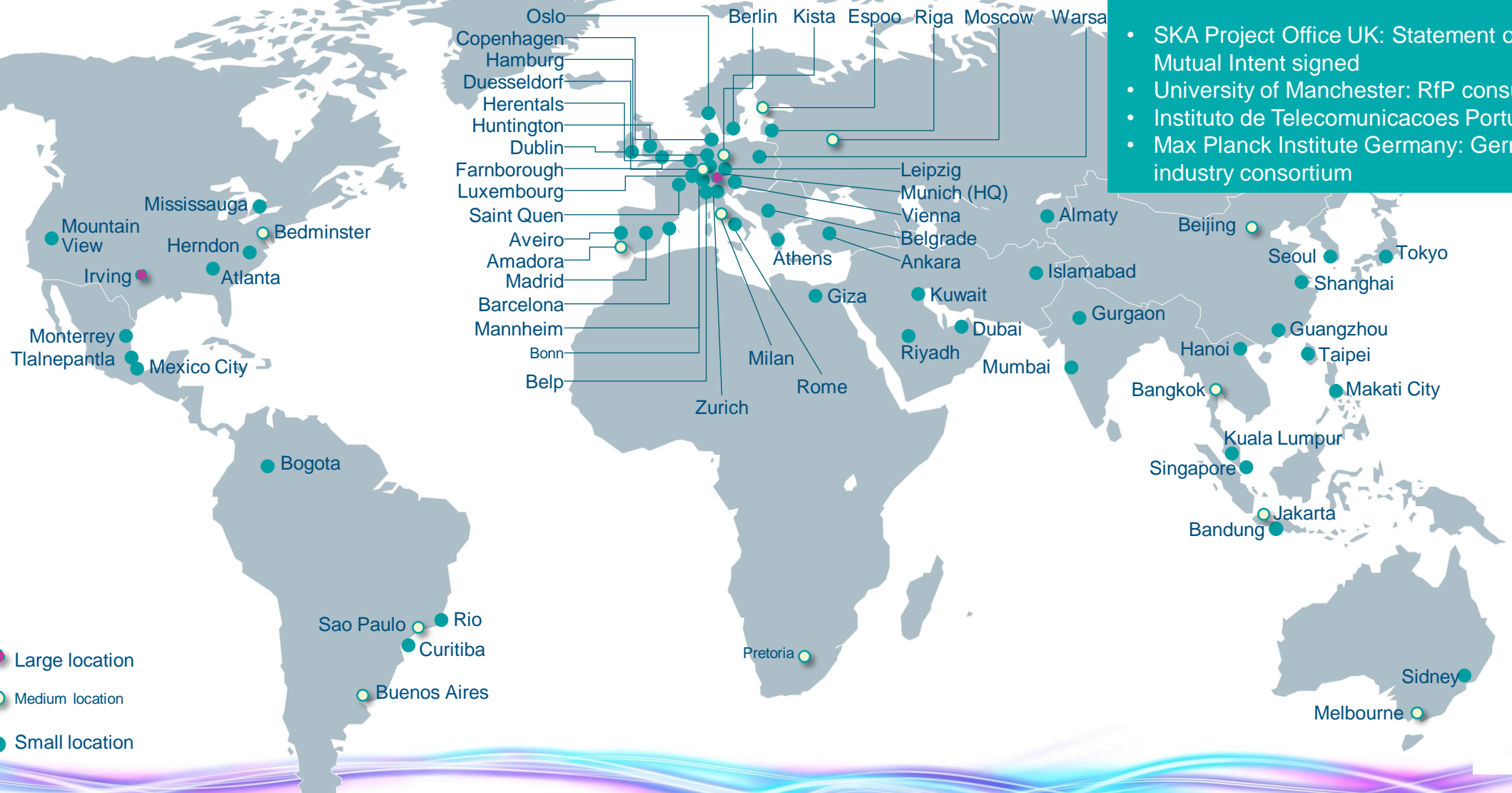
Juha Oinonen, Development Manager at CSC, January 2013

Worldwide Presence

Coriant

Global interaction with SKA project

- SKA Project Office UK: Statement of Mutual Intent signed
- University of Manchester: RfP consultancy
- Instituto de Telecomunicacoes Portugal
- Max Planck Institute Germany: German industry consortium



- Large location
- Medium location
- Small location

Please ins... of



Long lasting strategic partner for Telkom South Africa



Boost capacity in Namibia to multiple 40G



Optical supplier for Broadband Infraco

Further footprint in Angola, Egypt, Djibouti



Memorandum of Understanding between NSN and South African Department of Science and Technology on SKA



Technology & Human Resource for Industry Program

Run by the National Research Foundation

Established via Telkom SA Sponsorships for 3 universities - Witwatersrand, Cape-Town, and Stellenbosch

Strong cooperation with SKA South Africa since 2009

**Ready for something really big to
come**



Thank You!
