

5G

New networks require innovative products and solutions

5G – the 3 dimensional definition





a 3 shifts paradigm change















Nexans WDM Outdoor Cabinet











Hybrid solutions for Capex/Opex optimization Example of hybrid on the backhaul network Remote powering 1: Central strength member 2: Water swellable tape 3: Tubes with 2 fibers 4: 2,5mm² conductors LV + Fiber cable 5: Filler Pulling on 2,5km 6: Water swellable tape 7: Glass yarns 8: Rip cord 9: HFFR jacket









Mobile Network moves indoor



5G (30~70GHz)



Indoor Network sharing Remote powering

Source: Huawei; 2017







Mobile Network moves indoor

Example of Indoor architecture





Mobile Network moves indoor

Example of Indoor architecture

Radio access points indoor







We enter into a brand **new telecom era** and it's difficult to make **the right choice** for today and tomorrow.

Building a secure and scalable network, while managing cash and operating margin is a great challenge for telecom carriers.

Nexans has **strong assets** to support telecom carrier addressing these challenges:

- An outstanding energy and telecom portfolio,
- A solid and **global Telecom** and **Datacom expertise**, including Datacenter
- A **service team** who operates at **every stage** of the network construction (design, build, operate)



Thank you

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