Open RAN India 2021 Virtual Conference

Inaugural Theme:	The Impact of Open RAN on the Telecoms Ecosystem
Session Time:	10:00 – 11:45 hrs
Presentation Time:	10 Minutes

Open RAN at Telefónica Germany

June 17th, 2021

Matthias Sauder, Director Mobile Access Networks

Telefónica worldwide

43

43 billion euros Revenue in 2020

345

345 million customers worldwide in 2020

10

One of the 10 largest telecommunications companies in the world

113,000

More than 113,000 employees in 2020

12

With operations in 12 countries worldwide

Telefónica

Telefónica Germany

44.4

Million mobile network customers*

8.200

employees 2020

2.3

Million broadband lines*

7.5

billion euros revenue 2020

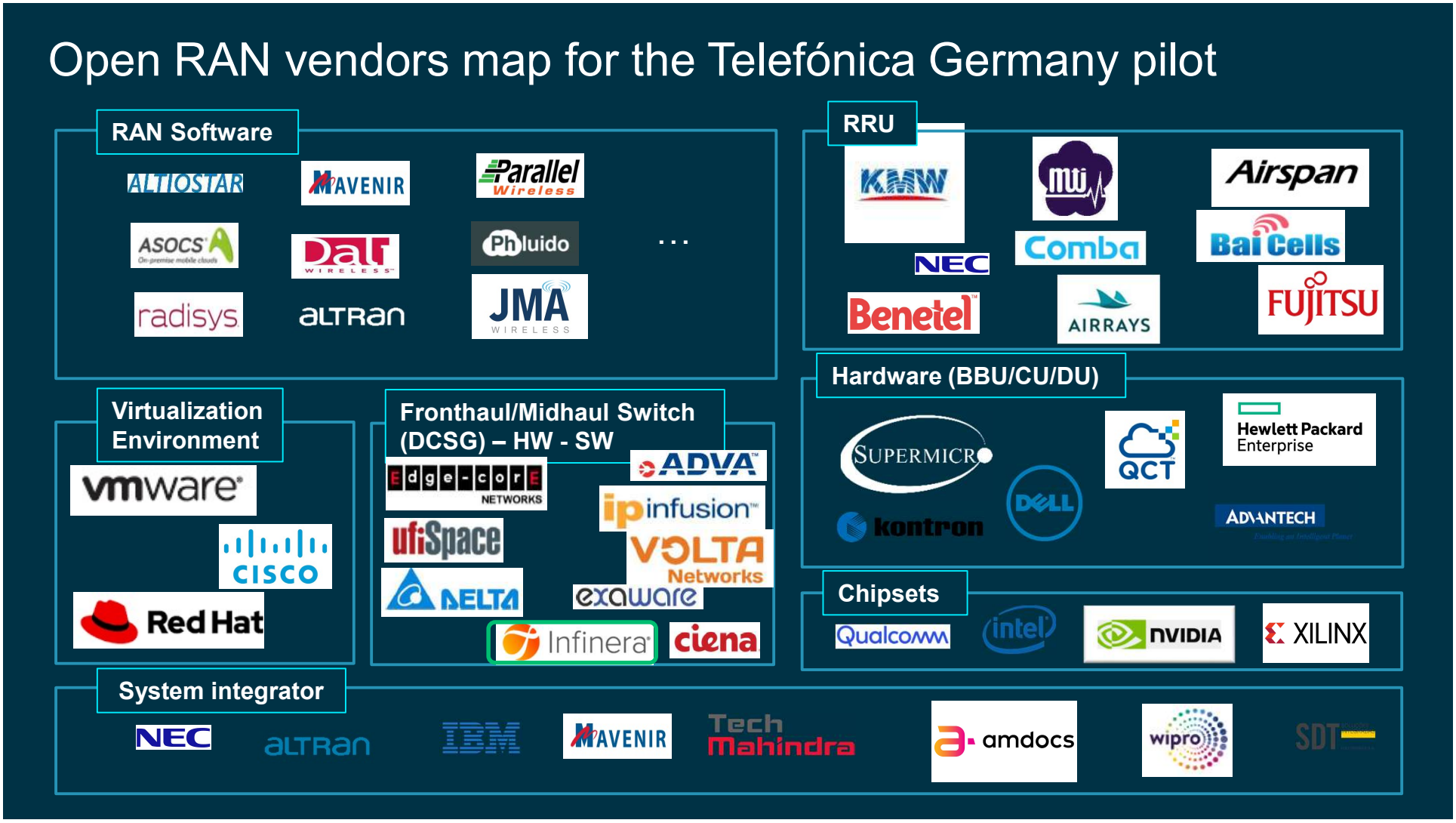
* Consolidated figure for the Telefónica Deutschland Group as of 31 March 2021, access numbers

Latest Awards

Telefónica

December 14th 2020
1st O-RAN site On Air in Germany

Open RAN vendors map for the Telefónica Germany pilot

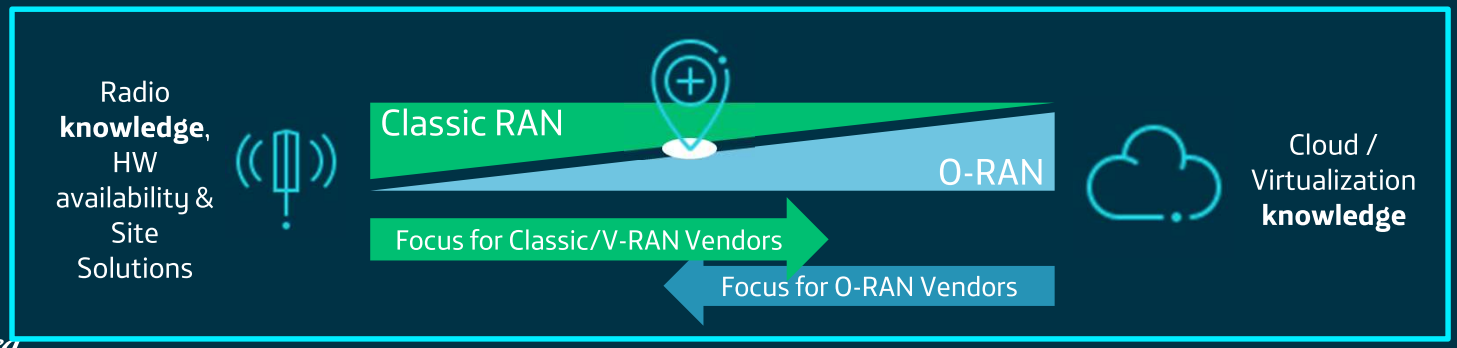


Open does not mean just plug and play

- With open RAN tasks like selection of server hardware, virtualization software, etc. and the related interoperability tests are the task of the operator or the system integrator.
- Even if the interfaces are open adaptions needed to be done – **with time and a growing market this will be solved** but now the introduction of new HW needs explicit, timely adaption by the RAN software vendor.
- With the virtualization a very powerful eco system will be stablished.
- Far more than just single site optimization will be possible and long awaited traffic steering between sites in (near) real time RIC will be reality soon.
- The skill set from operator side will shift from pure radio, transport and IP knowledge to IT processes and fast implementation.

V-RAN maybe is a bridge to Virtualization for existing operators

- Classical RAN vendors have full blown portfolio of solutions optimized to performance, power consumption and foot print.
- First “virtual” products for V-RAN are showing up and attract by their virtualization but w/o open interfaces.
- If open API can be established this could become an alternative or at least the bridge for existing operators who are not willing the exchange the whole network with thousand of sites to open RAN over night.
- Open RAN vendors lack on availability of a full spectrum coverage with competitive hardware but the first products are very promising.
- A full blown site with low band (700 - 900MHz), mid band (1800 - 2100MHz) and high band (2600-3500MHz) plus mmWave is from footprint point of view not competitive.
- Even with this the Orchestrator is looking promising to enter a new level of service for the customer



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Your questions

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