

Operationalising Open RAN: Design and deploy

Webinar

15th June 2022

In partnership with:

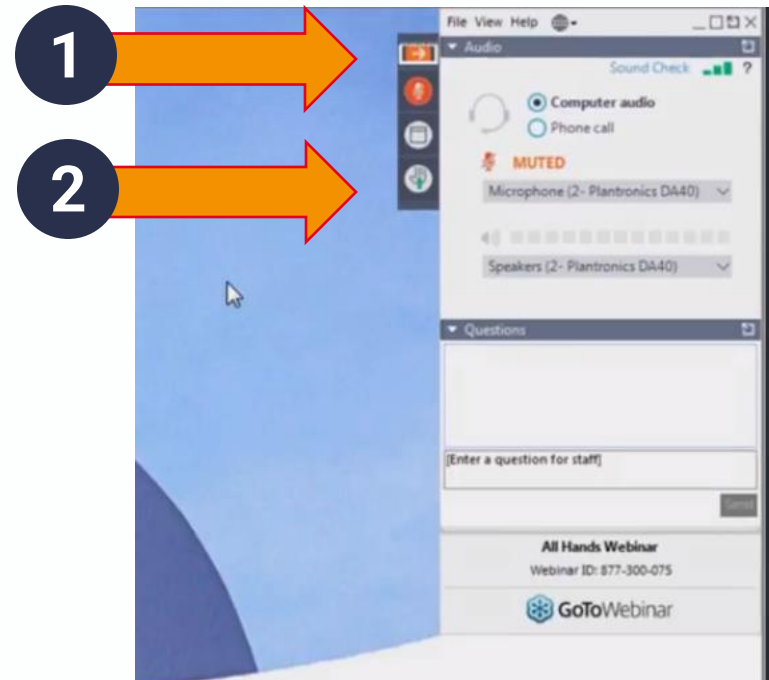


Agenda

1	Introduction	5 mins
2	Open RAN: market landscape	15 mins
3	Panel discussion	40 mins

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- Feel free to type questions throughout the session for Q&A at the end
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Our speakers today



TIMO JOKIAHO

Chief Technologist, Telecom,
Media & Entertainment

Red Hat



SANDEEP SHARMA

VP and Global Head of
portfolio 5G/RAN/ORAN

Tech Mahindra



DALIA ADIB

Director, Consulting

STL Partners



YANNICK MAYAUD

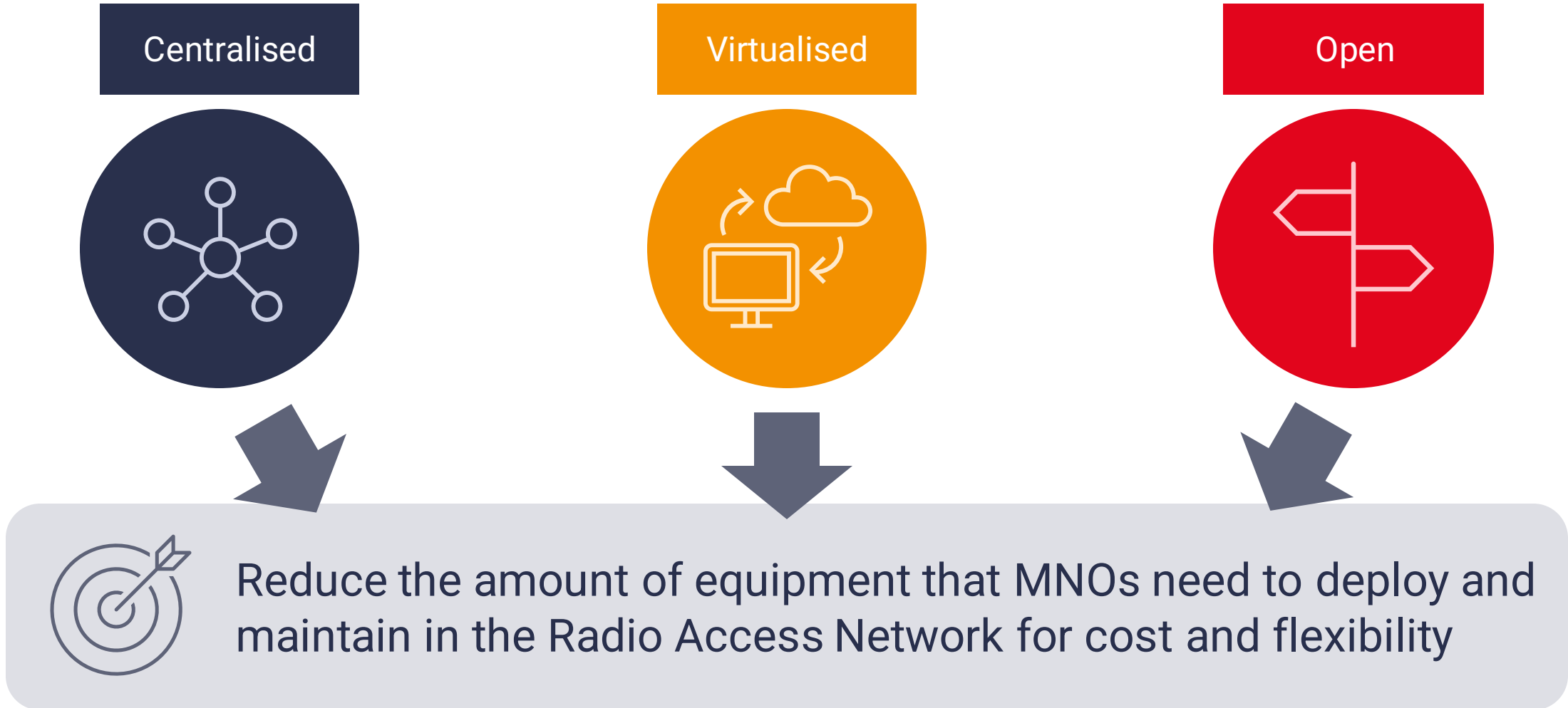
Consultant

STL Partners

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What is Open RAN? An umbrella term...



What is Open RAN? ...with 3 flavours

Open RAN

1 Cloud RAN (C-RAN)

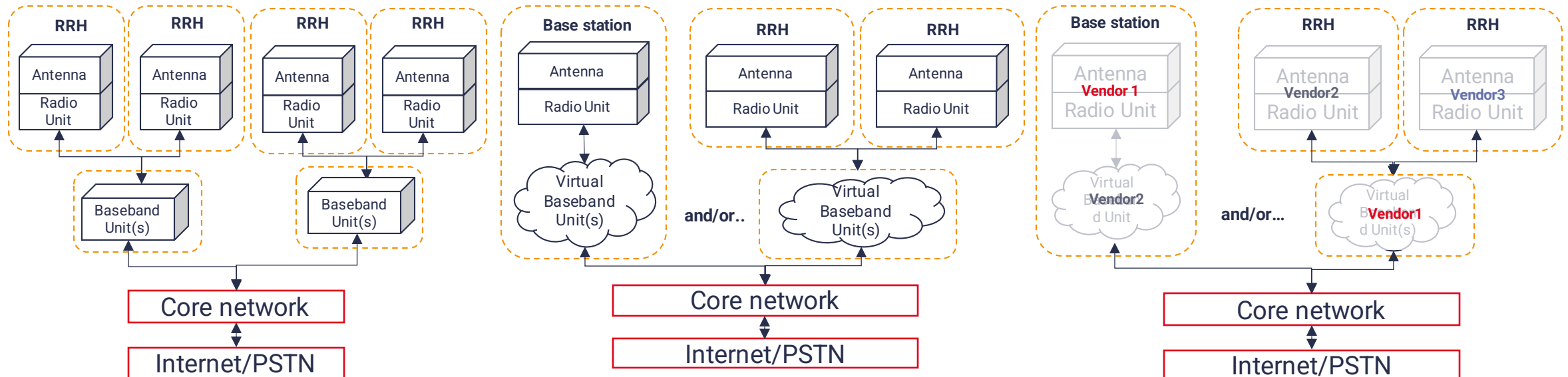
Distributing and centralising baseband functionality across different locations

2 Virtual RAN (vRAN)

Virtualising and containerising BBUs as software running on generic hardware platforms

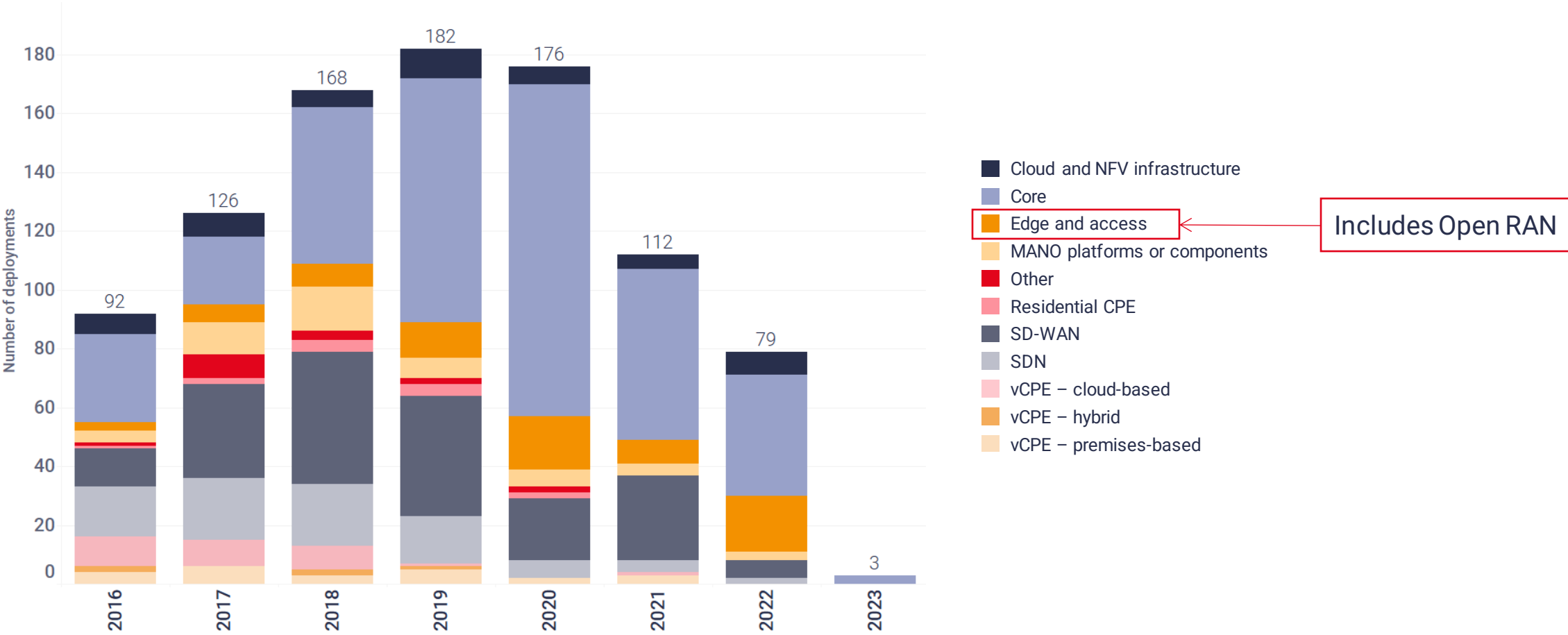
3 Open-RAN (O-RAN)

Replacing legacy, proprietary interfaces between BBUs and RRHs with open standards



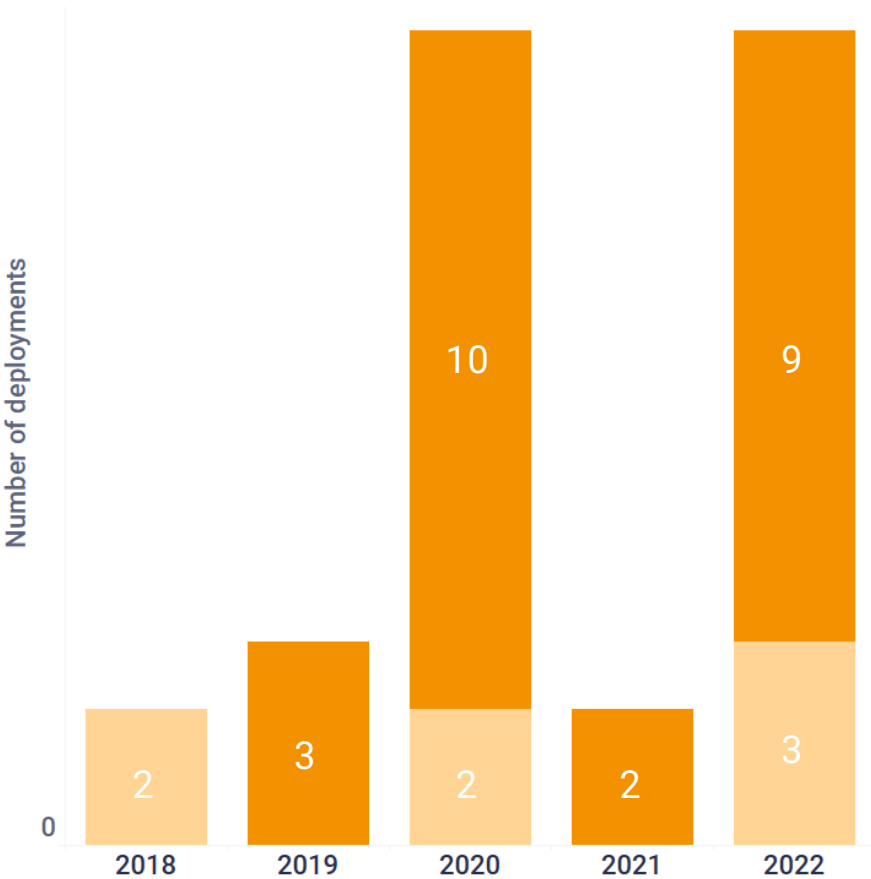
Live deployments overall continue to be driven by 5G core

Total telco cloud deployments by primary purpose, 2018 – 2023

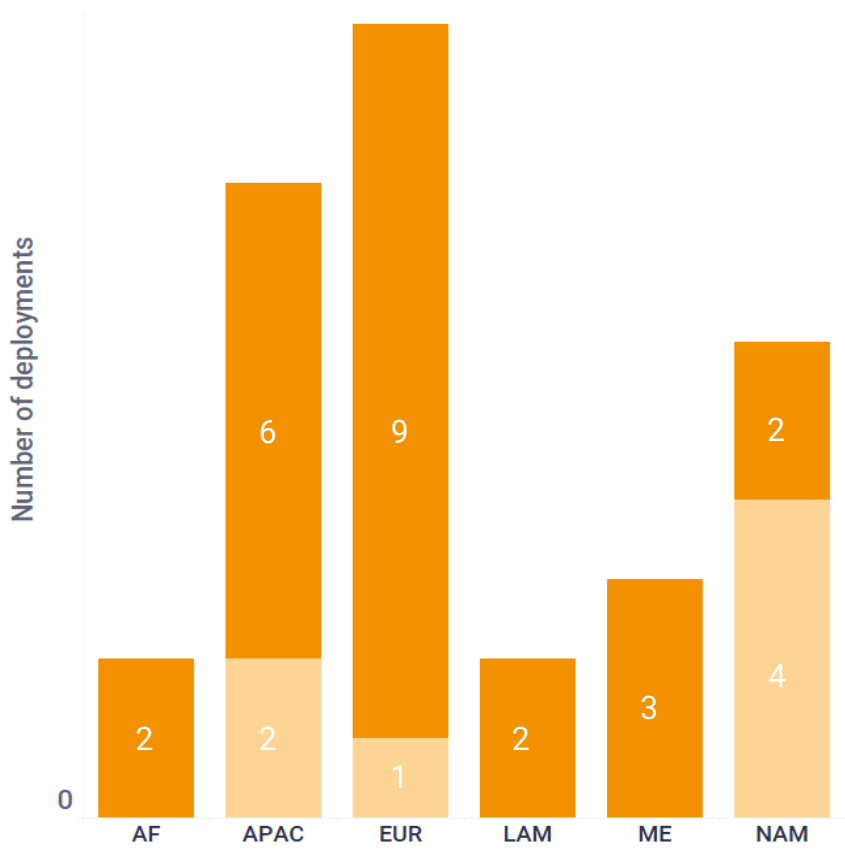


Europe and APAC are driving Open RAN, with vRAN emerging as a possible preference in North America

Open-RAN and vRAN deployments, 2018 – 2022

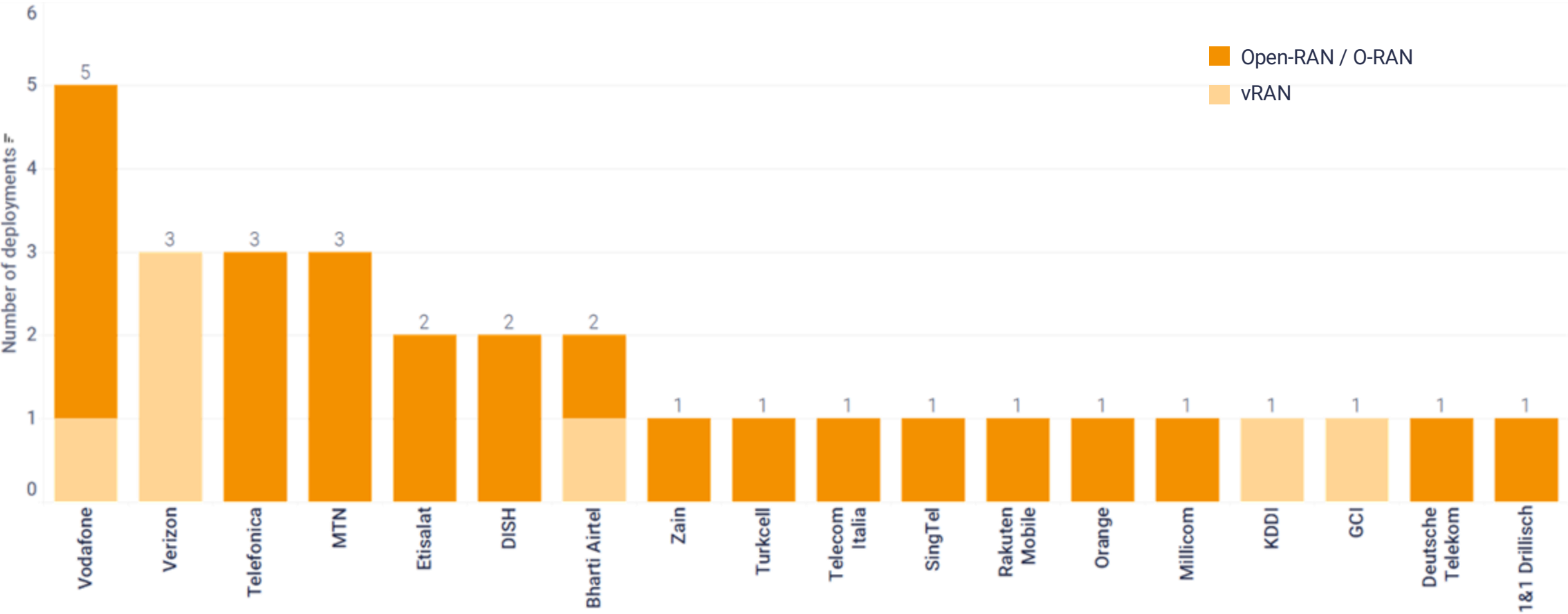


Open-RAN and vRAN deployments by region

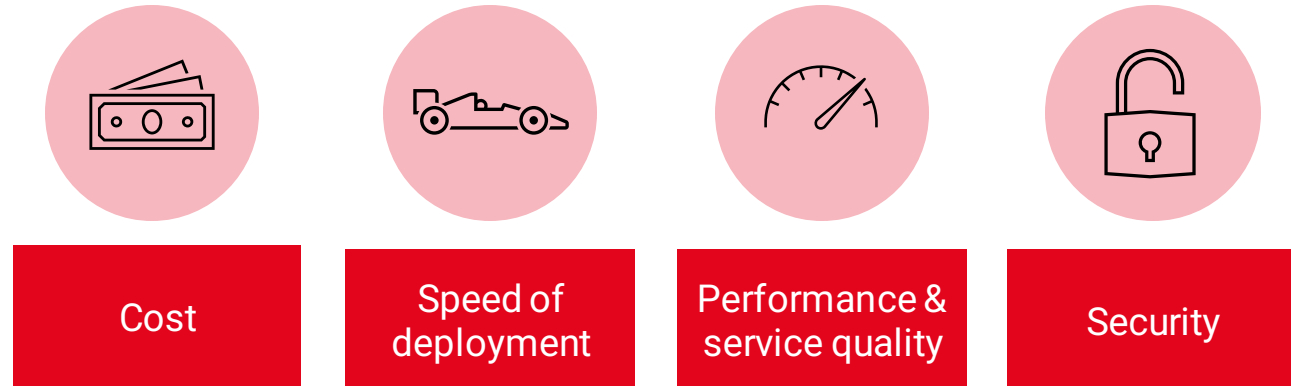
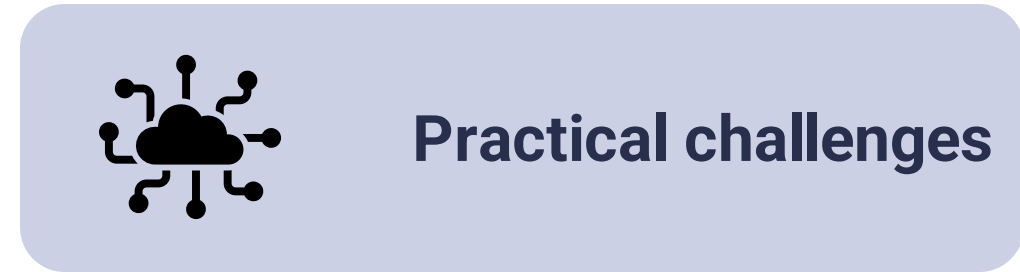
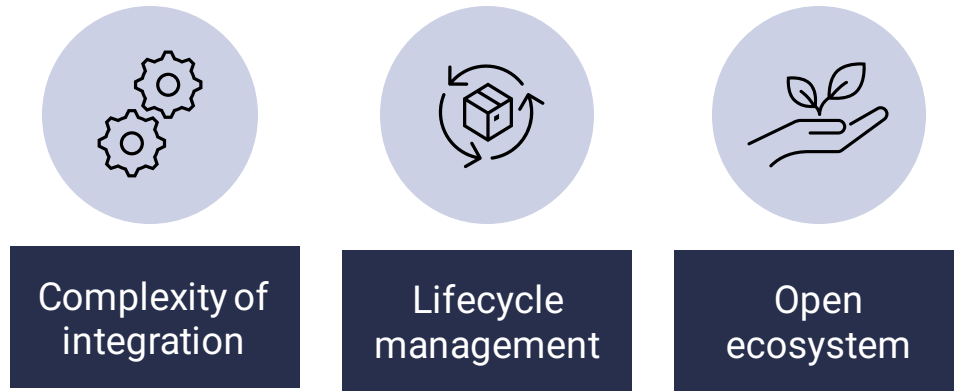


■ Open-RAN / O-RAN (fully open, disaggregated, virtualised / cloud-native)
■ vRAN (single-vendor/virtualised CU/DU, with open interfaces)

Multi-national operators currently have the most deployments, using selected markets as proof points



Practical challenges to implementing Open RAN are being addressed, but it still suffers from hurdles of perception



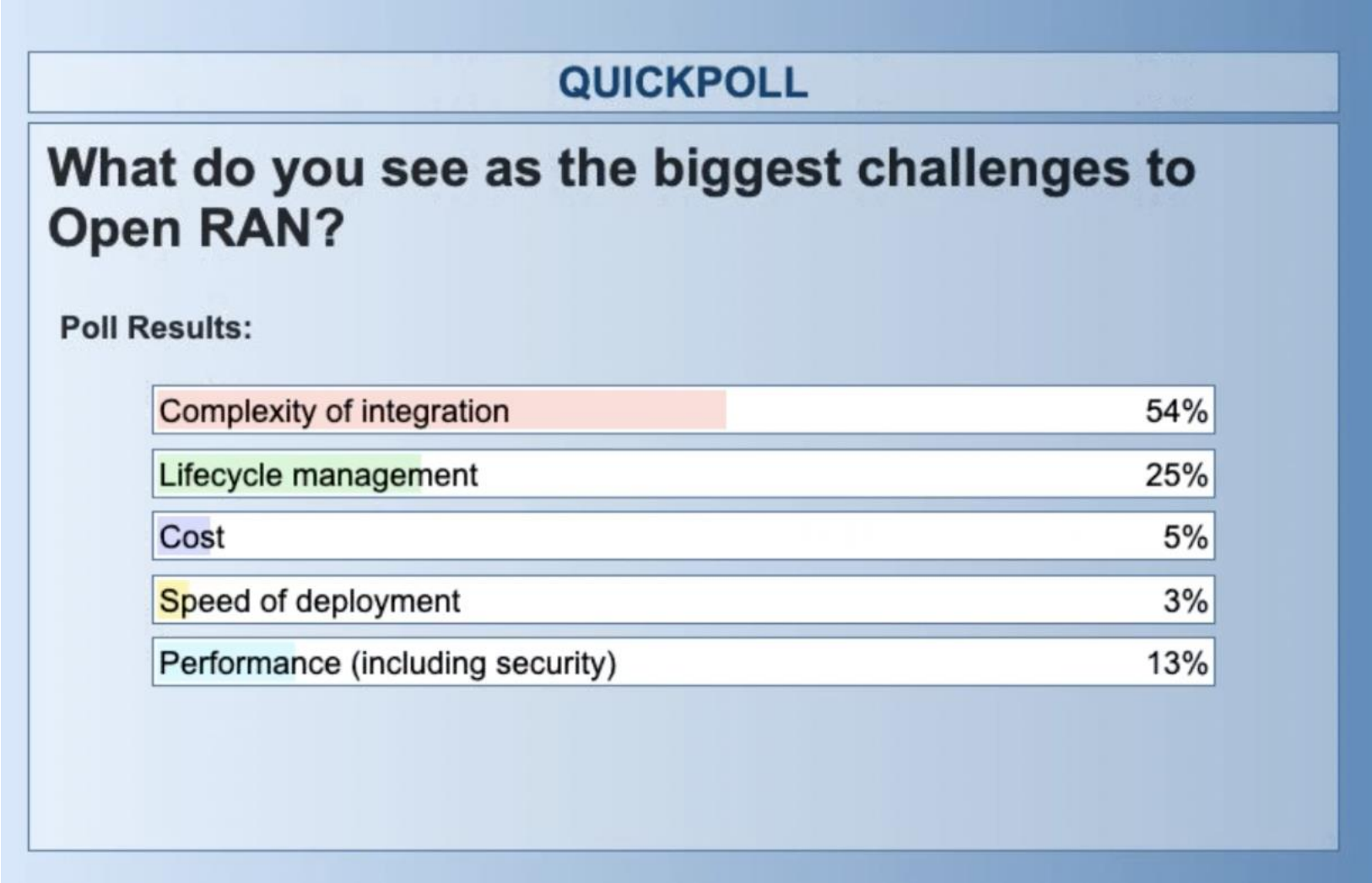
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Poll 1: What do you see as the biggest challenges to Open RAN?

1. Complexity of integration
2. Lifecycle management
3. Cost
4. Speed of deployment
5. Performance (including security)

Results: Poll 1



Poll 2: When do you see the majority of mobile operators implementing Open RAN in part of their network?

1. 2023
2. 2024
3. 2025
4. 2026
5. 2027+

Results: poll 2

