

Lower Costs. Improve Performance.

Remote Radio Head (RRH) in Open RAN



5G macro cell deployment cost



↓ 30%

Traditional network architecture

↓ 50%

Open architecture



This 20% difference will drive the overall total cost of ownership down.

from now until 2022

Lower cost radios are a key component to Open RAN adoption.

Operators' Perspective



24% of operators

Affordability and cost reduction are main concerns.

Open to replace current vendors when deploying Open RAN.



25% of operators

Cost savings as a reason to consider multiple vendors.

53% of operators

Consider working with different RRUs and BBUs vendors.

84% of operators

Consider deploying RRUs and BBUs from different vendors in Open RAN deployment.

28% of operators

Cost savings as the main driver to adoption of Open RAN.

Efficiency & Performance of Comba's RRH

Significantly improved by converging 'ALL G'

High energy efficiency

achieves 33% overall unit efficiency
>50% power amplifier efficiency



Modular design supports global major frequency bands

RAN functional split 7-2x

significantly reduces 5G fronthaul bandwidth



eCPRI flexible fronthaul topology to support Open RAN deployment

Benefits of 5G Open RAN

Improving network economics

Covering 'All G' networks results in lowering CAPEX up to 60%, OPEX to 65%

General Purpose Processor (GPP)
Large volumes leads to economy of scale
Faster pace of innovation

Win-win situation in the ecosystem

Commercial-off-the-shelf hardware increases sales of vendors and installation work

Sources:
Open RAN architecture set to disrupt 5G landscape, 2 May 2019, Rethink Reports
Open RAN – 7 vital benefits for MNOs, September 12, 2019, IT News Africa
Open RAN: the operators' perspective. October 2019, Senza Fili

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