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Dubai – April 10, 2019 - Mavenir's 5G-ready [virtualised RAN](#) solution has won 'Best RAN Product' at 5G MENA in Dubai, this week. The award, which recognises the solution that best aids the development of RANs and supports the roll-out of 5G services, was awarded to Mavenir's innovative solution which centralizes baseband processing in cloud-native virtualized baseband units (vBBU) and exploits fronthaul over ethernet between vBBU and multiple remote radio units (RRU).

The solution supports carrier aggregation across licensed and unlicensed LTE (FDD/TDD) spectrum between 0.7 and 6 GHz, CBRS and LAA bands. The Mavenir vRAN architecture and platform can support 4G as well as both the NSA and SA implementations of [5G NR](#).

With open interfaces, the solution has the flexibility to support various deployment scenarios – including functional split 2 for enterprises and split 2 & 7 for macro cells. It can also support massive MIMO, edge micro services and network slicing for 5G NR.

Described as the "only Full Virtualized RAN for Neutral Host" by a major operator, the Mavenir vRAN solution is opening up a whole new market for multi-operator in-building systems and will help fuel mass deployment within enterprise markets.

Because the Mavenir vRAN solution is 100% software and runs on COTS hardware, operators can rapidly deploy new features into their networks, without waiting for, or need to forklift in, updated hardware. Migration from 4G to 5G is achieved through a straightforward software update. For the first time, operators will have the ability to differentiate from their competitors by offering unique features through by customization of their own software.

A number of [operator RAN RFIs](#) were published at the Telecom Infrastructure Project (TIP) Summit in October 2018 where [Vodafone and Telefónica](#) named Mavenir in their selection of vendors candidates for RAN solutions. Since then, Mavenir has begun OpenRAN trials based on the O-RAN interface specifications where Mavenir contributed significantly.

"Mavenir's innovative approach to solving the Neutral Host technology challenge now opens the space for new entrances and capital investment in the small cells and in building space," said Mark Charman, Mavenir's VP Middle East and Africa who accepted the award. "We are very proud to have been awarded best RAN product at 5G MENA. It is recognition of our commitment to creating new ways to architect, deploy and operate wireless networks and giving mobile operators the flexibility to experiment with new network topologies and service offerings."

Analysis by [Senza Fili Research](#) suggests the Mavenir vRAN would save 37% in total cost of ownership (TCO) over a five-year period due to a 49% reduction in capex and a 31% annual reduction in opex.