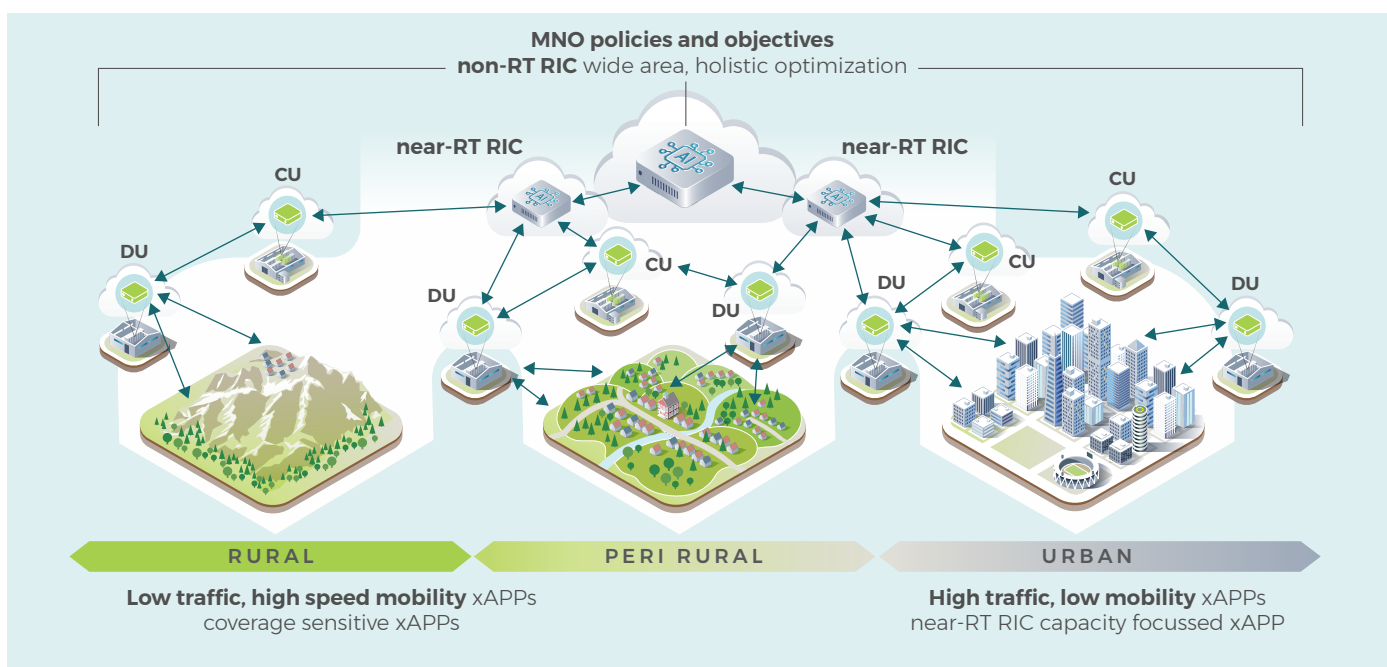


OpenRAN

RAN Intelligence and Automation



Enable an ecosystem that leverages AI/ML to improve RAN performance, efficiency and total cost of ownership through applications on the O-RAN RIC (RAN Intelligent Controller) platforms.



Why RIA?

Network planning, configuration and optimization needs to happen predictively and in near real time to support networks that are Open and built to serve dynamic traffic demands.

At a glance

- **The combination of AI/ML driven approaches** to network optimization combined with access to rich data sets through O-RAN E2/O1 interfaces makes this possible resulting in unprecedented ROI for deployed spectrum and network assets.
- **Allows domain experts that understand** the nuances of application demands (video, delay sensitivity, peak demands etc.) to develop targeted use cases for RAN management and optimization.
- **Operator defined use cases** with clear path to success for vendors and operators.

Developments

OpenRAN defines the RAN Intelligent Controller (RIC) that enables development of rich use cases by third party vendors using open APIs and interfaces. The first set of ten use cases have been defined by Operators requiring solutions for load, coverage, capacity, interference, maMIMO and energy management.

What next

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