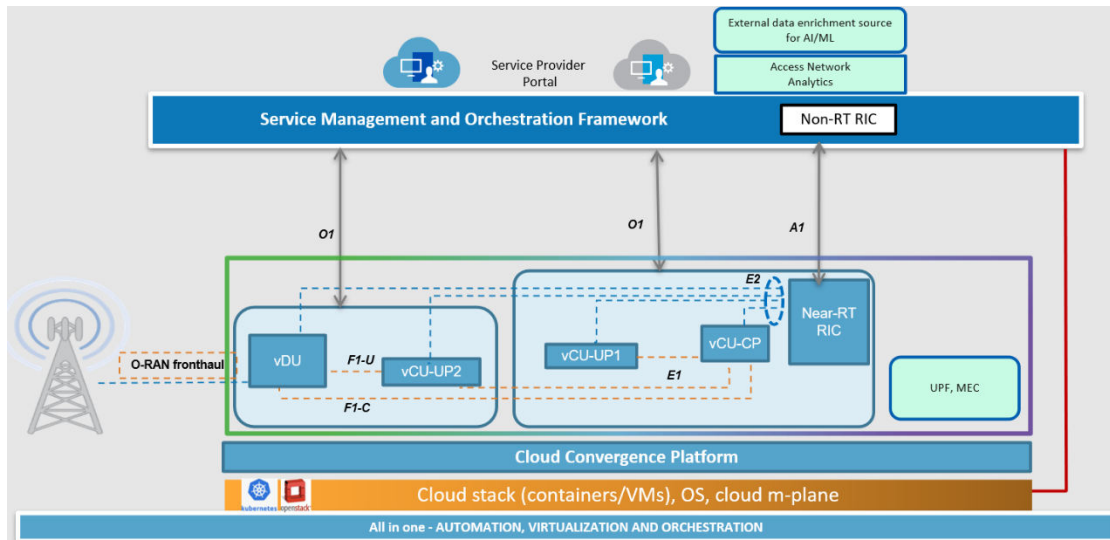


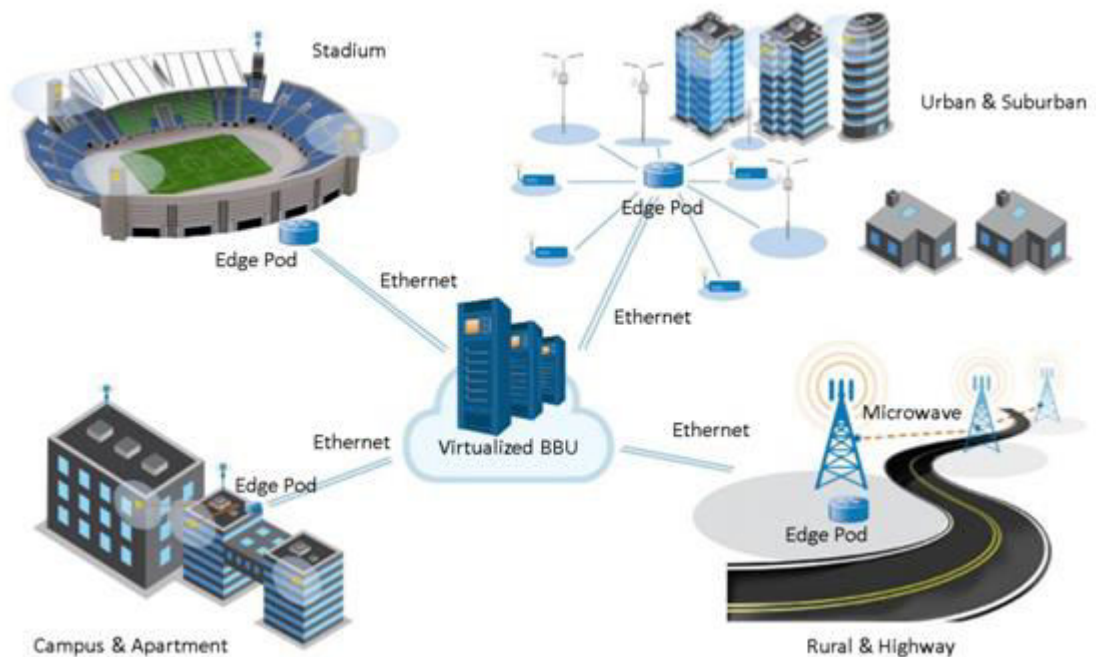
Title: 5G NSA and SA NR Optimization

MCNS offers subcontracting services to Qualcomm for an optimization project in Japan, related to Rakuten network, based on ORAN architecture and Altio-Star vendor technology (<https://www.altiostar.com/>).

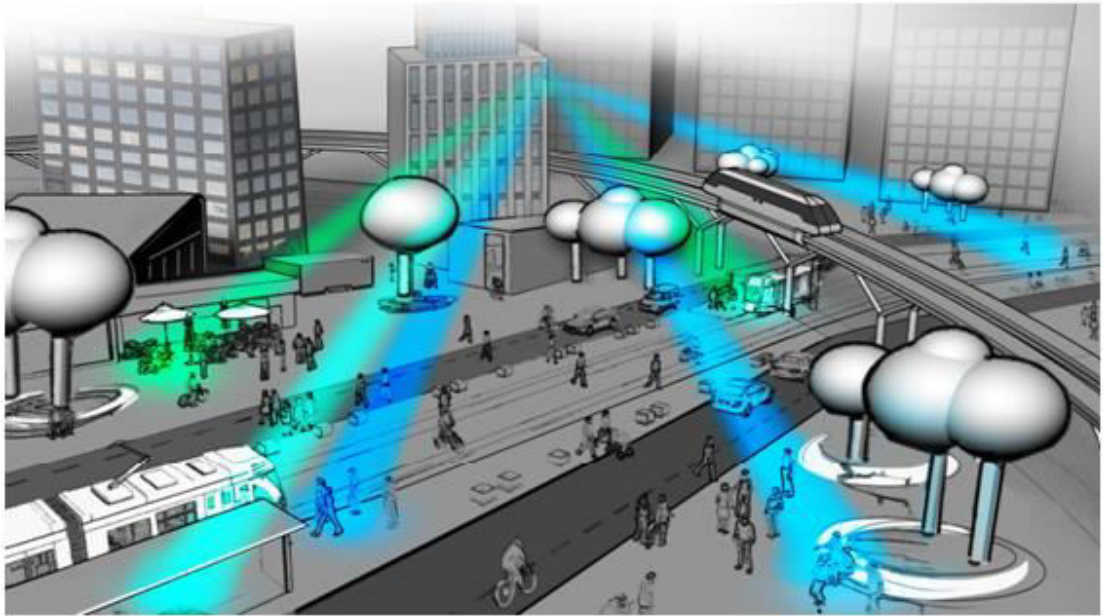


Part of the project deliverables to Qualcomm is:

- the NB-IoT planning improving coverage and capacity, proper NB-IoT parameter configuration and parameter optimization. Proper mathematical analysis and models have been delivered together with excel calculator to evaluate and assess the network performance (<https://www.altiostar.com/>).



- 5G NSA and SA NR parameter configuration and assessment for proper beam management and network performance. The overall protocol layers and its subsequent parameters have been studied proposing proper parameter configuration, evaluating the network performance improvement. Proper mathematical analysis and models have been delivered together with excel calculator to evaluate and assess the network performance (<https://www.altiostar.com/>).



- Preliminary analysis on KPIs and counters for ORAN network performance analysis.