

DEPLOYMENT AND ORCHESTRATION OF vEPG FOR 5G NETWORK

of a Network Equipment Manufacturer



Services: Product Engineering & Innovation, Professional Services, 5G

OVERVIEW

Customer is a **\$7bn** Swedish Multinational Networking and Telecommunications Service Provider. As the users were expecting high speed and uninterrupted mobile services, customer wanted to virtualize EPG platform for Higher Performance.

CHALLENGES



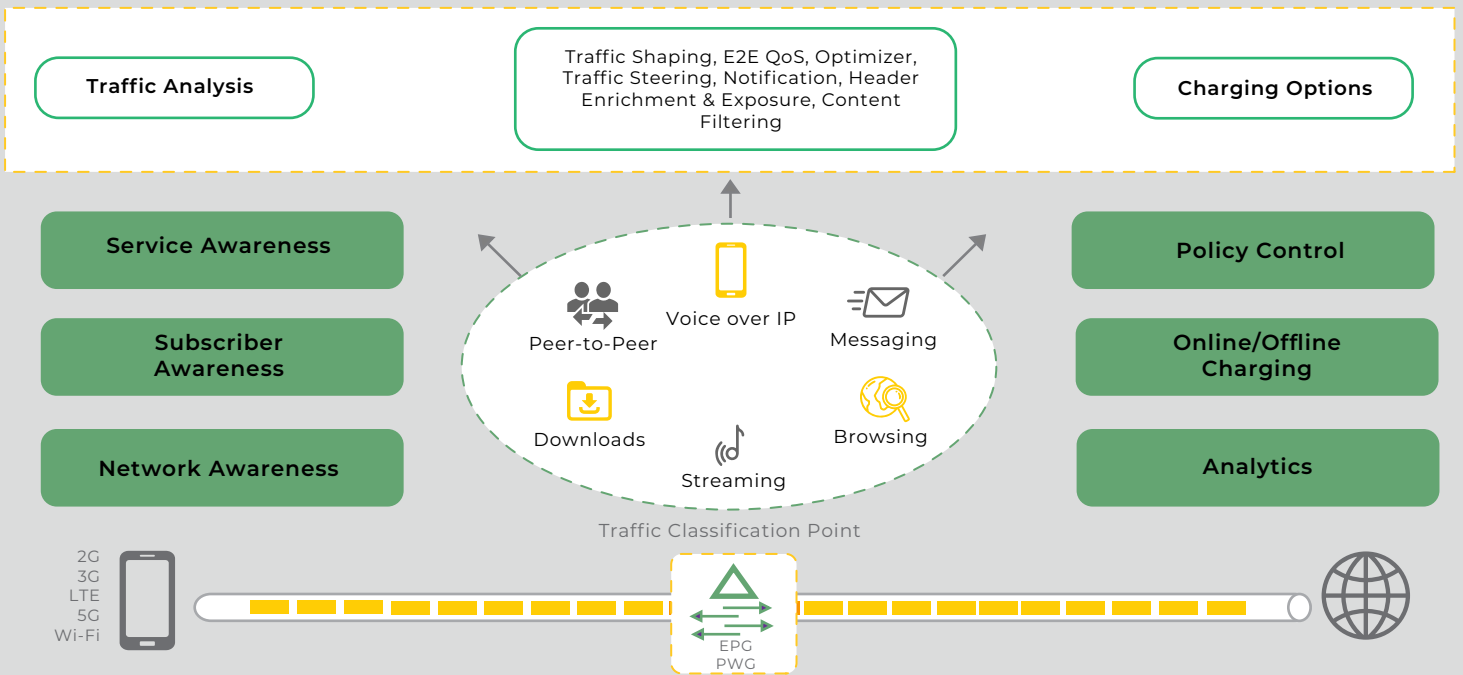
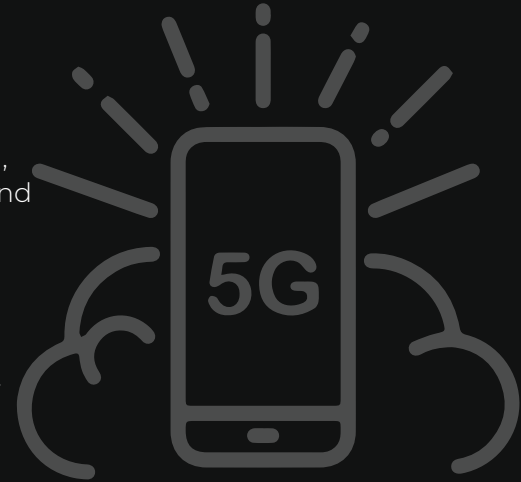
Inability to meet the Mobile Users expectations of high speed & always available network



Need for Performance Optimization and Orchestration layer for better End-User Experience

SOLUTION

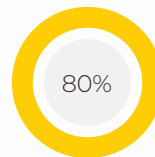
- 1 Build:** Development Module in BCAT (Box & Cloud Automation Tools), Ingress Optimization for uplink and downlink traffic in vEPG, Backend development and enablement of CNIO for VIRTIO, Backend Database development for stateless, resilient EPG/PCG user plane application
- 2 Deploy:** Deployment of fully redundant vEPG. Orchestration, Deployment and System Tests development of test cases on vEPG. Deployment & Verification of PCG (containerized solution, Packet Core Gateway)



OUTCOMES



90%
Increase in User Experience and Operational Flexibility



80%
Faster Deployment of vEPG in a Fully Redundant Environment



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