

# DEPLOYMENT AND ORCHESTRATION OF vEPG FOR 5G NETWORK

for 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 are expecting high speed and uninterrupted mobile services, customer wanted to virtualize EPG platform for higher performance.

## CHALLENGES



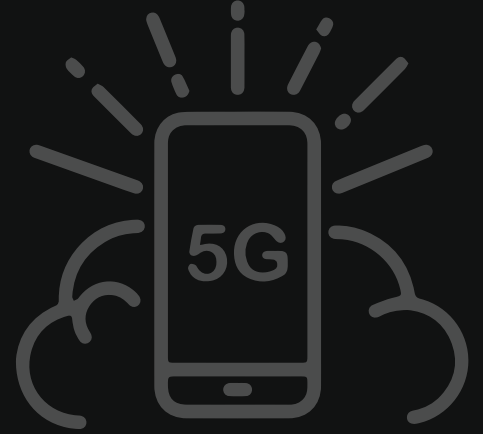
Inability to meet the Mobile Users expectations of high speed & always available network



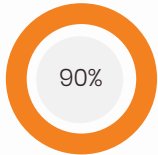
Need for Performance Optimization and Orchestration layer for better End-User Experience

## SOLUTION

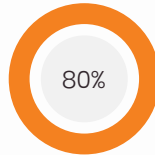
- 1 Build:** Development module in BCAT (box & cloud automation tools). Ingress optimization for uplink and downlink traffic in vEPG. Backend development and enablement of CNIO for VIRTIO. Backend database development for stateless, resilient EPG/PCG user plane application
- 2 Deploy:** Deployment of fully redundant vEPG. Orchestration, deployment and system tests development of test cases on vEPG. Deployment & verification of PCG (containerized solution, packet core gateway)



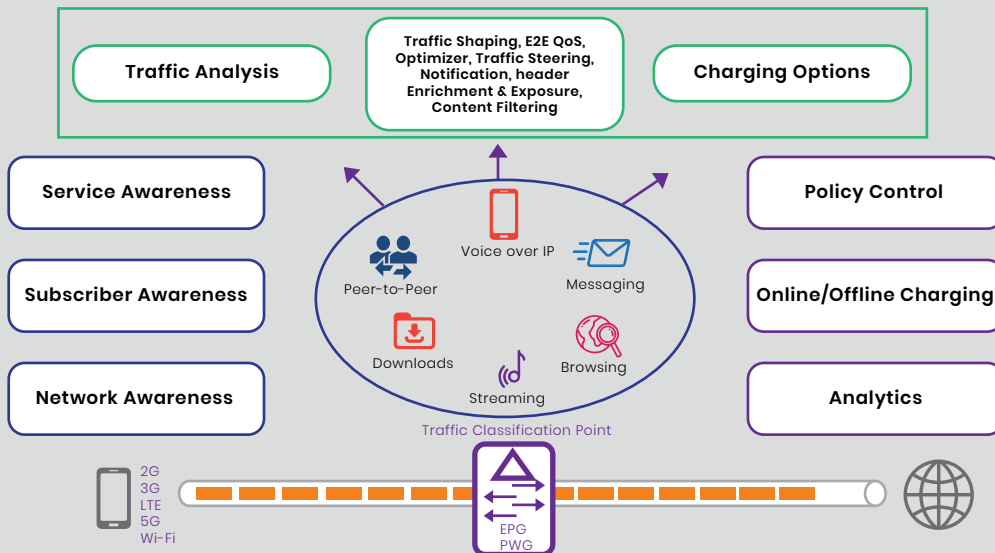
## OUTCOMES



**90%** Increase in user experience and operational flexibility



**80%** Faster deployment of vEPG in a fully redundant environment



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