STL

dSmartMobility

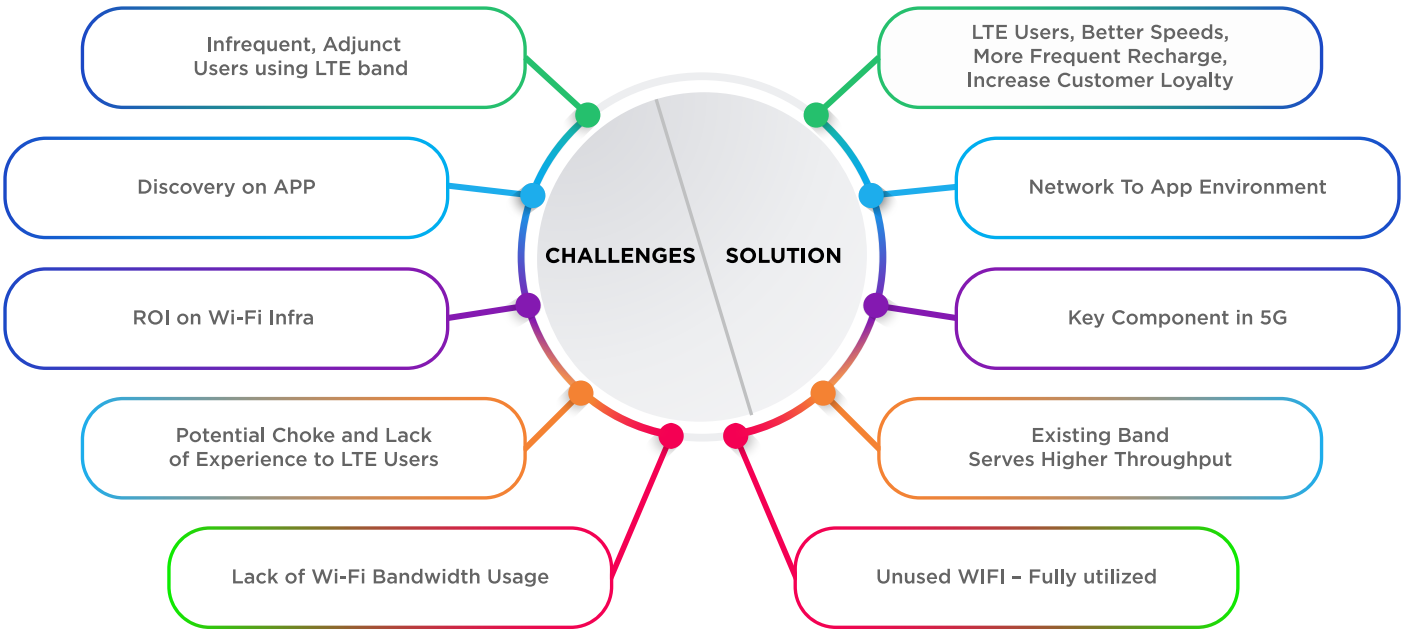
RISING NEED FOR CONNECTIVITY

Rise in Smart & IoT devices has increased the data traffic over cellular networks, creating demand for faster data speeds. To counter this problem and for faster connectivity, CSPs used LTE due and marketed it heavily. As a result customers latched on it and created bandwidth choke.

Moreover, existing bandwidth of Wi-Fi networks remain unused as it required marketing awareness and manually switching from mobile data to Wi-Fi by consumers. Also ROI on Wi-Fi infrastructure was already a question mark with these problems.

Additionally, to use Wi-Fi bandwidth CSPs already had a connection manager app which not only drains consumer's devices but also required manual consumer intervention to switch on the app and scan for networks.

CHALLENGES VS SOLUTION



dSmartMobility – AN OVERVIEW

dSmartMobility solution helps consumers automatically switch from LTE to Wi-Fi networks based on signal strength, throughput, latency, jitter and packet-loss without manual intervention. Consumers can enjoy faster data speeds and enhanced voice quality using Trusted Wi-Fi Hotspots compared to traditional LTE networks.
dSmartMobility also helps to improve network selection, adds policy-control capabilities, enables smart decision making based on analytics and collate to an ultimate user experience. The three enablers of intelligent offload in the Wi-Fi SMP are the ANDSF server, Smart ANDSF compliant Client and Edge Analytics.
dSmartMobility helps reduce the cost for the operators and the customers. The offloading allows CSPs the flexibility to add bandwidth and capacity, cost effectively, as the usage spikes in public areas.

dSmartMobility is divided into three parts Smart and Intelligent Services, Network Analytics Service and Policy Management Service

SMART AND INTELLIGENT SERVICE

Offers Device Event Monitoring, Intelligent Rule/Automation Engine and Actions Framework

NETWORK ANALYTICS SERVICE

Offers Location, Radio & Proximity Analytics, On/Off Network Data Usage and Enhances Subscriber Experience

POLICY MANAGEMET SERVICE

Offers Policy Pull/Fetch, Policy Caching, Policy Evaluation, QoE Measurement, Rove In/out

VALUE PROPOSITION

ACTIONABLE INSIGHTS

- Discover Network Congestion Reasons for Quick Decision Making
- New Hotspot Deployments based on Network Connectivity

DATA MONETIZATION

- Increase No. of Recharges with Faster Data Speed of Automatic Wi-Fi Offload
- Wi-Fi Adoption Increases Subscribers & Revenue in the Same Cell Site

CUSTOMER EXPERIENCE

- Higher Data Speed Compared to LTE with Automatic Seamless Offload
- Always Best Connected Network Even in Congested Areas

COST REDUCTION

- Reduce up to 30% of Operation Cost of LTE compared with Wi-Fi Offloading
- Reduce 50% of Infra Cost & Increase Coverage Area through Wi-Fi compared to LTE

PLATFORM HIGHLIGHTS

300K
UNIQUE ACTIVE USERS

210K
UNIQUE Wi-Fi OFFLOAD USERS/WEEK

8 TB
TOTAL DATA DOWNLOADED/ WEEK OVER Wi-Fi

420K
TOTAL NO. OF Wi-Fi OFFLOAD SESSIONS/WEEK

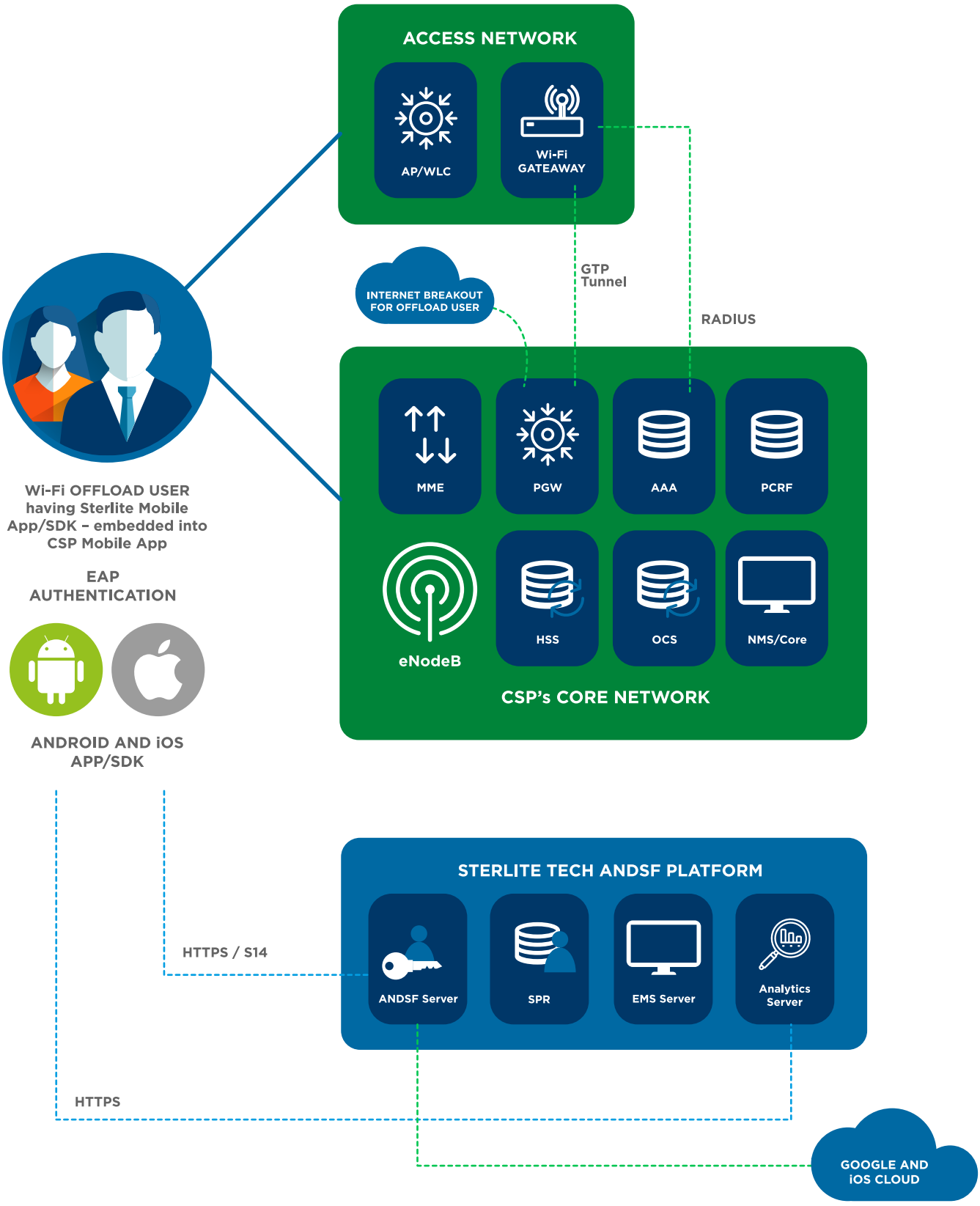
60K
UNIQUE CLIENT REGISTRATION/WEEK

5K Hours
TOTAL Wi-Fi OFFLOAD DURATION/WEEK

KEY FEATURES

KEY BENEFITS

ARCHITECTURE



www.stl.tech

Sterlite Technologies Limited(STL) is a global leader in end-to-end data network solutions.

We design and deploy high-capacity converged fibre and wirelessne works.With expertise ranging fromo ptical fibre and cables,hyper-scale network design,and deployment and network software, we are the industry's leading in tegrated solutions provider for global data networks. We partner with global telecom companies, cloud companies, citizen networks and large enterprises to design, build and manage such cloud-native software-defined networks.

STL has innovation at its core. With intense focus on end-to-end network solutions development, we conduct fundamental research in next-generation network applications at our Centres of Excellence.STL has strong global presence with next-gen optical preform, fibre and cable manufacturing facilities in India,Italu China and Brazil and two software-development centres.