



STU



dWiFi

Unlock the
full potential of WiFi

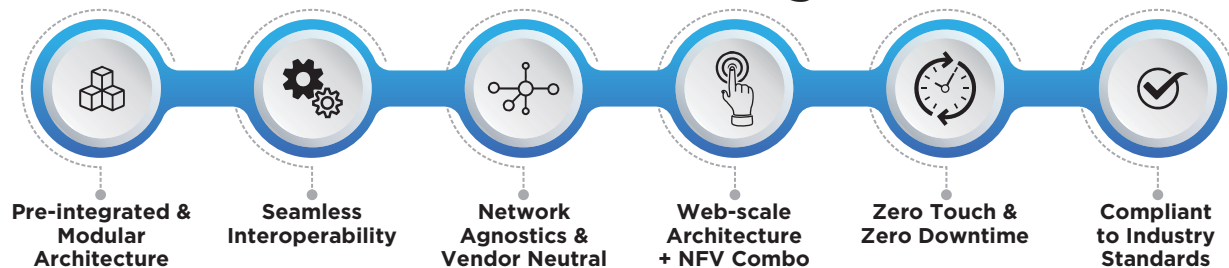
Make way for smarter, more seamless connections with STL dWiFi

In an ever-connected world, more and more customers are demanding seamless, always-on connectivity across all their devices.

dWiFi empowers telcos to leverage carrier-grade WiFi as an integral part of their heterogeneous network services to improve spectral efficiency and offer bundled-plans. It also enables them to boost customer loyalty by delivering a high-quality user experience and become more profitable.

Powered by DevOps, Analytics, Web-scale, Network Software (DAWN), the future-native dWiFi platform enables Telcos to provide wide range of innovative offerings at speed and scale to various verticals. It helps operators create differentiating services across segments such as public, enterprise, retail, education and hospitality and generate new revenue streams.

The dWiFi Advantage



dWiFi

ENTERPRISE WiFi

Managed WiFi Solution

- Captive Portal + Editor
- Charging Gateway; Map Gateway
- Voucher Management; Web Self-care
- RnC (Prepaid Charging)
- Policy Control

Monetisation

- Wifi Network & Performance Analytics
- Presence & Location Intelligence
- Proximity-based Marketing
- Offers, Deals & Promotions
- Configurable User Journey/Survey
- Heat Map & Footfall Analytics
- Way Finding

In-Flight WiFi Solution

- Hybrid Connectivity
- WISPr Logins
- Monetisation
- Mobile App Access

AAA

Radius

DSC

SCTP

CARRIER WiFi

dSmartMobility (Smart Offload)

- dSmartMobility Client SDK
- dSmartMobility Server
- Edge Analytics

WiFi Calling (VoWiFi)

- Wireless Roaming Interconnect Exchange
- WRIX-I-AAA Server
- W RIX-L – Location
- W RIX-D – Data Reconciliation & CDRs
- W RIX-F – Financial Settlement & Billing

WiFi Offload

- ANDSF Server ANDSF Smart
- Client Edge Analysis

What dWiFi Enables



dSmartMobility (Smart WiFi Offload)

dSmartMobility's offloading feature gives mobile operators an effective strategy to cost-effectively increase bandwidth and capacity without impacting the user experience. Operators can effortlessly shift traffic from the 3G/4G/5G networks to a WiFi network as the usage spikes. The switch & authentication happen seamlessly without any user intervention. It reduces the cost for the operators and enhances QoE for customers.



dWiFi Analytics

A GDPR-compliant robust WiFi analytics engine that delivers actionable insights for CSPs. Insights from this Machine Learning and AI-powered engine drive decision making across the value chain including but not limited to Data Monetisation, Customer Experience, Network optimization, Business Operations, Revenue Assurance etc. In fact, dWiFi is central to our monetisation capability.



Interconnect Billing & Partner Settlement

Offers transparency in interconnect agreements and settlements which is very important when multiple partners with multiple disciplines coexist.



Inflight WiFi

A holistic inflight connectivity (IFC) solution at 35000 ft. It not only provides rich in-flight digital ecosystem for compelling passenger experiences but also generates revenue from travellers' engagements. The platform ensures uninterrupted on-board WiFi for passengers while WiFi analytics engine under the monetisation hood processes and influences passengers' every in-flight digital moment to optimise IFC investment.



Location-Based Services

Identifies the location of the user by mapping the network parameters with WiFi. This provides an ideal platform for location-based services (LBS) such as Proximity Marketing, Asset Tracking, Indoor Way finding, Geo-fencing etc. With location analytics and heat maps, LBS offers various use cases across Healthcare, Retail, Manufacturing, Transportation, Hospitality, Events and Conferences.



Access Controller

An end-to-end access control solution which can be deployed centrally or locally based on the network topology to support single or multiple sites. It offers various features like inbuilt DHCP-DNS, user session monitoring, captive portal capabilities, various protocol request logs, policy management and enforcement, multiple gateway load balancing, bandwidth prioritisation and dAAA proxy support with Service Management Platform (dSMP).



Charging Gateway

Provides an interface for communication between network components and charging systems, working on different protocols. It supports protocol conversion from RADIUS to DIAMETER & vice versa, DIAMETER to proprietary and web services to DIAMETER /Proprietary.



Captive Portal Editor

The editor enables enterprises and brands to create and manage highly customized, responsive Captive Portals without coding. The editor is compatible with all major OS with easily customisable GUI for branding and advertising. A web-based authentication captive portal for subscriber self-service sign up and to configure WLAN. The mobile app with personalised and customised services makes customer engagement faster and easier.



Public Wifi

This is a dWiFi solution for connected smart cities. It serves as the establishment for delivering next-gen, innovative services empowering government, businesses and citizens by addressing the most critical issues of connectivity on-the-go. dWiFi with pre-integrated, partnered IT and network infrastructure brings together a diverse ecosystem experience which helps the cities to roll-out new business models across various segments for better connectivity and improved quality of life.

STL Expertise & Experience



40+

Operators have chosen STL for WiFi Deployments

2500+

ISP & Hotspot Deployments Globally

Success Record with Dynamic Customer Base



Operational excellence with Tier-1 Telco

Successful experience for delivery, implementation and services support with large scale Live projects.



Proven Interoperability

Highest number of integrations with Tier-1 multi vendors' equipment and WiFi partner ecosystems worldwide.



Fastest-Go-Live

Flexible platform, seamless integration with existing IT & packet core infrastructure. Plus on-site team in every region



Rich experience in BSS & OSS

Easy understanding of operator business requirements and helps providing customized solution



Comprehensive and Converged WiFi portfolio

Pre-integrated, modular platform to enable quick launch to innovative services to the market.

STL's extensive global WiFi experience is complemented not only by the breadth of our WiFi solution innovations but also competitive pricing models. With dWiFi, you can offer seamless user experience, compelling products, services and support as well as reduce churn. The dWiFi converged platform helps unlock new business models, implement innovative use cases and differentiate yourselves in the market.

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

We design and deploy high-capacity converged fibre and wireless networks. With expertise ranging from optical fibre and cables, hyper-scale network design, and deployment and network software, we are the industry's leading integrated 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, Italy, China and Brazil and two software-development centres.



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