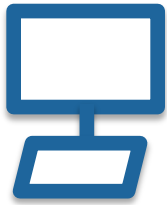




cloudcheck

Rocket Science for Wi-Fi Networks!

CloudCheck enables self-healing Wi-Fi networks by leveraging data science based cloud architecture with a single agent gateway solution. CloudCheck performs historical and real time analysis to make accurate recommendations to operators and subscribers (end users) – and to automatically optimize wireless network environments. CloudCheck end-users enable CloudCheck through a mobile app and operators gain visibility and control of subscriber networks through their expert systems enabled by an API.



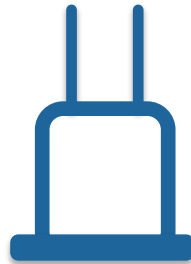
Expert System API

CloudCheck API enables Operator's to gain both visibility and control of subscriber Wi-Fi Environments .



CloudCheck Server

CloudCheck server utilizes cloud-based machine learning and complex algorithms to evaluate historical and real-time detail about Wi-Fi environments and to make contextual based changes that are ideal for each node on the network.



CloudCheck Agent

This light agent is loaded on a home gateway device and measures and analyzes broadband speed as well as the real-time Wi-Fi network environment. The agent uploads information to the CloudCheck Server and enables optimization.




CloudCheck App

This app allows end-users to interact with CloudCheck and to optimize their W-Fi network Environment. It enables SpeedTest for Broadband and Wi-Fi, SweetSpots signal strength analysis and Smartifi optimization.

To learn more about CloudCheck and to arrange a demonstration with an ASSIA engineer or partner, please visit www.assia-inc.com/cloudcheck or email: cloudcheck@assia-inc.com.



Self-Healing Wi-Fi Networks



Context-Based Cloud-Enabled Optimization



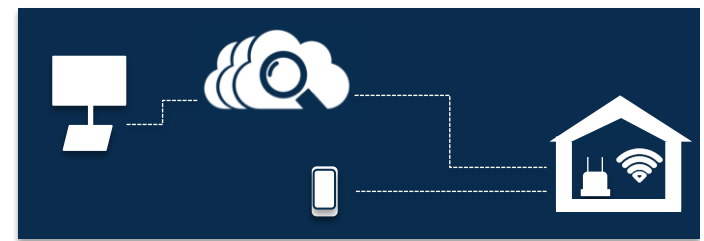
Real-Time



Historical



Analysis



Subscriber Self-Healing Wi-Fi

- Maintain a High Quality of Experience (QoE)
- Optimized Throughput (Speed), Connectivity and Latency
- Enable Self-Help and Self Install



Benefits



Operator Expert System for Wi-Fi Networks

- Customer Self-Help
- Customer Faultless Self-Install
- Operator Visibility and Control of Wi-Fi Networks

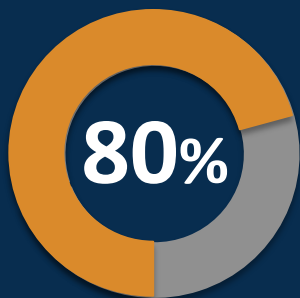
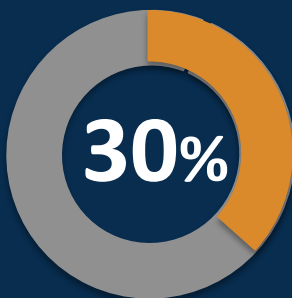
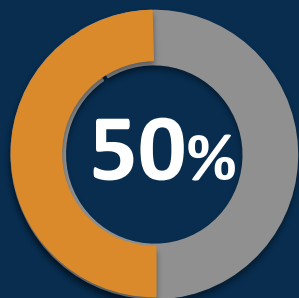
Addresses: Coverage, Congestion, Config, System Issues

Impacts: Quality of Experience

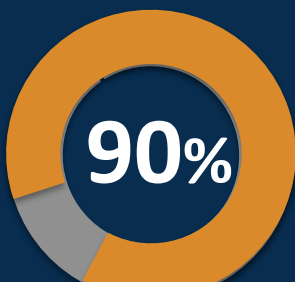
Reduces: Calls, Dispatches, HW Replacement, Churn

Increases: Subscriber QoE and Retention

Operator Wi-Fi Related Challenges



NTF



Over half of operator inbound technical calls are related to Wi-Fi.

Nearly a third of the time a call comes in a technician is dispatched.

Eight out of ten times a technician is dispatched residential gateway is replaced.

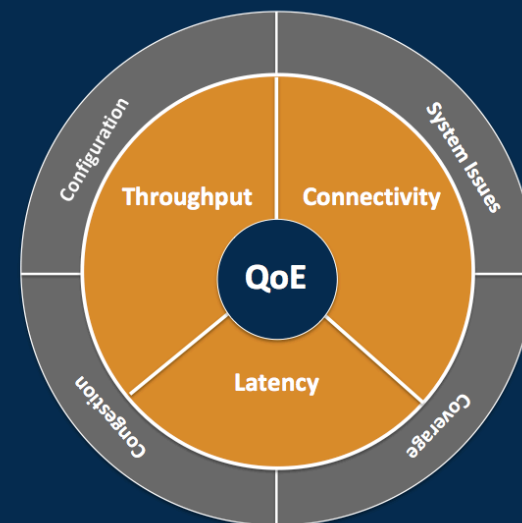
Ninety percent of the time that hardware is replaced, it is determined to be NTF – no trouble found.

And thirty percent of the time hardware is replaced, a second call and ultimately a second dispatch is required.



- Cloud Based
- Service Provider Enabled
- Expert System for Wi-Fi
- Providing Context Based Wi-Fi Network Visibility and Control
- Subscriber Wi-Fi Self-Healing, Self-Help and Self-Optimization

Focus on User Quality of Experience



User's "feel" or comprehend Quality of Experience (QoE) for Wi-Fi networks based on three factors – Throughput, Connectivity and Latency. CloudCheck is focused on understanding and addressing QoE drivers. Additional items such as Configuration, System Issues, Congestion and Coverage all contribute to QoE and are also measured and correlated.

ASSIA, Inc.
Redwood City, CA
www.assia-inc.com

80 Million Lines Under Management
Over 13 Years of Data Science and Machine Learning Expertise
Providing Cloud-Based Broadband Optimization for Service Providers