Case Study

GLENMORANGIE

Glenmorangie, a global whiskey company improves network connectivity and productivity with Systal's wireless solutions.

In 2018, Systal partnered with Glenmorangie to undertake a Wireless network improvement project. Systal provide expertise in deploying WiFi in challenging environments, including warehousing and manufacturing. Through this partnership Systal successfully implemented an improvement plan and as a result Glenmorangie IT deliver their business on a more reliable and extensive WiFi network.

Initially Systal's WiFi specialists met with Glenmorangie's IT Manager to understand the current issues around their network and what they were looking to achieve. Subsequently, Systal's WiFi specialists designed and conducted a Wireless Active Measured Survey of both the customer's HQ and bottling plant. The Active Measured Survey ignores the current deployment completely and redesigns the signal propagation using a tripod with an Access Point (AP) mounted onto it to simulate a real wireless service set. During an active survey, the Systal Wi-Fi Toolset associates to a specific AP and exchanges data to emulate an end user. This allows surveyors to map out exactly how real-world clients will perform at various locations in terms of connection speed, retry rates, and packet loss.

A full in-depth report was then released to the customer explaining the findings around their current networking issues, why these issues were occurring and recommendations on how to resolve them.

Systal were also selected by the customer to implement these recommendations. This

involved a new RF template, roaming and configuration settings along with the movement of existing AP's and the installation of new AP's. This would enable all users to connect to the Wi-Fi at similar speeds allowing consistency and resiliency.

Finally, following successful implementation, a Periodic/Post Survey was conducted to account for changes in the environment, interference sources, user behaviour and obstacle changes.

We used Systal to provide site survey and health assessments of our Wireless Infrastructure as we were experiencing coverage and roaming issues and I have to say this was money well spent. They were quickly able to provide guidance and recommendations which addressed our issues as well as provide the engineering resources to support the required infrastructure changes. I would definitely recommend."

Glenmorangie IT Manager

Systal's Wi-Fi Toolset's Diff View feature allows side-by-side visualising of differences between two separate surveys. This helps show how a site's wireless environment has changed over time. Users can see differences in signal coverage, interference levels, noise levels, speed, packet losses and frame retries between two surveys.

As a result of the specialised work carried out by Systal, Glenmorangie realised the following benefits:

- Increased productivity: Efficiency of the warehouse staff increased due to the reduction in RF Gun connectivity issues. Office based employees are also experiencing less latency downtime and can focus on their task at hand without connectivity interruptions.

- More reliable network. Connections to the corporate WiFi are now more stable with a reduction in latency due to implementing custom RF settings. Efficient wireless coverage was also achieved by observing hand-off points and relocating AP's to maximize the roaming paths.

- Future proofing: Now that the network is more secure and reliable the customer can begin to focus on their longer-term business strategy with their wireless network set up to support all the latest technology advancements.

About Systal Technology Solutions

Systal is an Information Technology services integrator. We help our customers maximise the value of technology by advising on IT strategy, deploying and integrating technologies, and manage elements of their infrastructure on their behalf.

Our customers are global enterprise organisations with a range of complex technology requirements. At every stage, we help our customers maximise the business value of their IT expenditure.

We deliver services globally across a wide range of industry sectors.

www.systal.co.uk
enquiries@systal.co.uk
0330 159 3800

Not for reproduction without explicit consent from Systal.