

Wireless Network Professional Services

Full Control Networks are a leading independent provider of network products and services. Our experienced engineers are available for a variety of consultancy projects.

Wireless is a key part of almost all businesses, so when it's not working the way you need it to, it can be frustrating and time consuming.

At Full Control Networks we've investigated wireless installed in offices, factories & warehouses, and experience has taught us that these environments are very different!

Wireless in Offices can be a balancing act between the number of users and achieving the best performance with the right number of Access Points.

Whereas Factory and Warehouse wireless environments tends to be more about coverage of these complex spaces and ensuring end user devices roam correctly as the operators move around.

Common issues we are asked to investigate:

Do we have any "Blackholes" in our coverage?

This refers to issues people have in specific parts of the building which need investigating.

Do we have issues with interference?

Interference in Wireless comes in two basic forms, other wireless (yours or someone else's) or third parties operating in the same space.

Do we have enough / too many APs?

We don't sell APs, so receive no benefit in telling you to buy more, less, or another brand, we'll just tell you what our analysis concludes.

Why is the wireless so slow?

Modern wireless networks promise attractive data rates but users seldom see these numbers.

Why can't I connect and/or get kicked off the wireless so often?

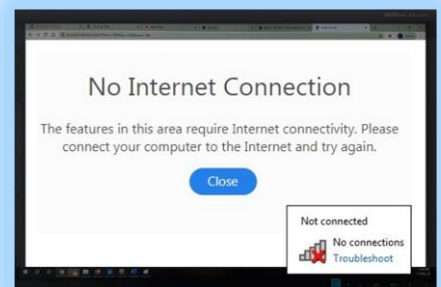
A common problem is around users not being able to connect or getting kicked off the wireless all the time. We can look into these issues and break it down into the different elements of successfully connecting into a network.

Is my wireless configured for best performance?

Most wireless networks have a lot of default and auto settings which usually get things working OK, but seldom do they cope with all situations effectively.

Are my wireless devices / scanners configured correctly?

One issue we see in factories and warehouses is the configuration of the end devices not being optimized for the wireless network in place.



Wireless Network Professional Services

Services that Full Control Networks carry to investigate these issues include:

Active and Passive Surveys

A good starting point for analysing coverage and interference issues. Active surveys provide extra information about roaming points and how well the network moves devices between APs.

Troubleshooting Performance and Connectivity Services

We have a number of Wireless tools to carry out a range of coverage, connectivity and performance tests to investigate what is happening in these areas.

Interference and Noise investigation

There are specific tools for checking interference (Spectrum Analyzers) that can be used to review the wireless airspace and report the impact, including identifying sources and their location.

Controller Configuration Analysis

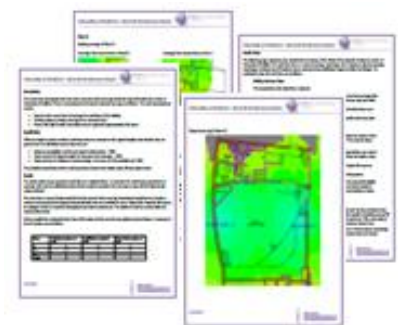
Many wireless controllers and settings never get changed from the day they were installed and most are left on "auto". We can run an analysis on these configurations and recommend changes to address the issues you are experiencing.

Scanners and Readers

Many factories and warehouses use specialist devices to scan stock in and out which have a number of default settings for their wireless performance. Full Control Networks can review these settings alongside the wireless survey results and recommend a new configuration.

Let Full Control Networks help, we have:

- **Independence** - Autonomous with no links to wireless network component manufacturers
- **Knowledge** - Strong industry links and regular experience with many different WiFi networks
- **Tools** - An array of the latest networking testing and surveying equipment at our fingertips & full reporting



*"The professional services performed by Full Control Networks are a valued part of our network planning."
University of Huddersfield*

"Full Control were contracted to evaluate our current wireless for unified communications and make recommendations for the future. We were very pleased with the report and effort exerted." BBC Worldwide