



## Hazel 4D

### Sector:



Warehousing & Logistics

### Products:



MR – Meraki Wireless



MS – Meraki Switching



Meraki Dashboard

### Services:

Wi-Fi survey, network configuration design and installation, on-going support.

### Highlights:

- Hazel 4D is an expert in packaging, serving large organisations across the UK and Europe. It differentiates itself in a busy marketplace by providing exceptional customer service levels, so its supply chain must be fast and responsive.
- Hazel 4D moved to a new high-spec warehouse and needed to find a supplier it could trust to deliver a robust Wi-Fi solution within its tight timescales.
- Redway Networks designed and installed a high-performing Cisco Meraki wireless network.
- Meraki has delivered superior Wi-Fi capacity and fast network speeds which has streamlined warehouse operations and improved business efficiency.

### Hazel 4D supports operations in its new flagship warehouse with robust Wi-Fi from Redway Networks

Hazel 4D has implemented a next-generation wireless network in its new state-of-the-art warehouse and UK distribution facility in Leeds.

The Redway Networks designed Cisco Meraki cloud-networking solution is providing robust, scalable wireless connectivity and communications for Hazel 4D's automated warehouse and distribution operations.

Hazel 4D is an expert in packaging, serving large organisations across the UK and Europe. It combines technical advice with a vast range of packaging consumables and machinery to deliver solutions that drive efficiency and improve business performance.

“Redway Networks delivered a seamless project with fully working Wi-Fi operational from day one. We now have a cutting-edge Meraki wireless network that has future-proofed our business and improved efficiency.”

Alex Surtees, Operations Manager, Hazel 4D



## Hazel 4D required a robust Wi-Fi solution

Alex Surtees is the Operations Manager at Hazel 4D with responsibility for client experience delivery.

Alex says: "We have a customer-centric approach with a focus on eco-friendly products that minimise energy use and make processes more efficient for our customers. We differentiate ourselves in a busy marketplace by providing exceptional customer service levels, so our supply chain must be fast and responsive. In January we moved to a new high-spec warehouse and distribution facility that was built with a sharp focus on sustainability. We were on tight timescales and only had until April to fit the warehouse racking, move all the stock, position equipment, and install a wireless infrastructure - all whilst staying operational."

"Warehouse efficiency is mission-critical to our business so we needed a robust wireless network with a 'right first time' professional Wi-Fi design, as there was no room for second chances. Therefore, I need to find a supplier we could trust 100% to deliver the right wireless solution and meet our tight timescales."

Hazel 4D evaluated four IT companies and chose Redway Networks as it is a specialised wireless networking company with a proven track-record of delivering complex warehouse Wi-Fi projects. Alex was also reassured by Redway Networks' engineer's high level of technical expertise, which includes Certified Wireless Network Expert (CWNE).

## Redway Networks recommends Cisco Meraki

Redway Networks' engineer was instructed to conduct a professional onsite Ekahau survey which provided Hazel 4D's management team with a comprehensive design report profiling where the new access point locations should be and the performance expectations of the network.

Alex says: "I was really impressed with the quality of design and Redway's engineer filled me with confidence by demonstrating evidence in Ekahau that his network design, based on Cisco Meraki products, would deliver full wireless coverage as we couldn't afford any downturn to the business."

"To guarantee 100% coverage, he had almost 'over engineered' the project and I was very impressed".

Hazel 4D had to be operating as normal during the move with all the handhelds being used constantly in the warehouse to locate stock and get deliveries out to customers.

Alex says: "The number one priority was that our new wireless solution was robust and would deliver high-performance, so Meraki was the natural choice for us".

## Cutting-edge warehouse Wi-Fi

Redway Networks delivered a robust wireless LAN with a Meraki cloud-managed Wi-Fi 6 network to provide a wireless communication network to support Hazel 4D's warehousing and logistical operations. To ensure ultimate efficiency, Redway's engineer installed Meraki MR76 access points at each end of the warehouse racking isles. Each AP was fitted with a sector antenna positioned to provide optimal coverage across the full length and height of the isle and ensure the Wi-Fi signal is strongest where needed. Omni-directional antennas were also utilised for larger open areas such as goods in and packaging areas. Meraki MR44s were fitted in the office to strengthen the network and handle higher throughput and capacity demands. All access points were connected to Meraki MS125 switches to provide reliable communications across the wired network.

Hazel 4D's operations team has complete visibility of the network through the Meraki dashboard which provides centralised management, layer 7 device and application visibility and real time web-based diagnostics and reporting.

Meraki's robust, cloud-managed wireless network is delivering superior Wi-Fi capacity and fast network speeds which has streamlined day-to-day warehouse operations and enabled Hazel 4D to meet customer demand.

Alex says: "Redway's engineer worked closely with our cabling contractors to deliver a seamless project with fully working wireless from day one. We now have superior Meraki Wi-Fi, which is supporting digital picking with a fast, consistent signal throughout the warehouse which has improved efficiency."

Alex concludes: "Meraki is a cutting-edge, cloud-managed wireless solution that will be reliable for many years to come so it's definitely future-proofed our business. Redway Networks gave us a high level of service throughout the project and will continue to support us which will be invaluable as our business grows."