

Case Study – Fuse Architecture

Fuse Architecture transformed its network infrastructure to support high-performance architectural design and construction with UniFi.



Background

Fuse Architecture, headquartered in Capitola, California, is a premier architecture and construction firm specializing in residential, commercial, and industrial projects. Recognized among the top 500 architectural firms nationally, Fuse is renowned for its progressive, minimalist designs frequently featured in Architectural Digest. The company manages end-to-end projects, from conceptual design to full construction, and recently expanded with a new satellite office in Carmel. Their current high-profile projects include rebuilding the iconic Capitola Wharf following significant storm damage.

Prior to implementing UniFi, Fuse faced several network and IT-related challenges. Their previous infrastructure consisted of outdated systems, including an antiquated Windows Vista-based access control solution and a cumbersome VPN setup, complicating remote access for their designers, architects, and construction teams.

Why UniFi

Fuse chose UniFi because it provided an integrated, license-free solution with robust scalability, simplified remote access, and streamlined management capabilities. UniFi Identity's ease-of-use for VPN and access control was a deciding factor, offering simple, one-click secure access for remote teams. Additionally, UniFi's cost-effective licensing model and rapid equipment availability made it ideal for Fuse's growth trajectory.

When we saw UniFi Identity and realized we could set up VPN and access control with just one click, the deal was closed immediately.

Anneke Serna, IT Director at Fuse Architecture

Deployment and Key Features

Rapid Deployment with Minimal Disruption

Fuse deployed UniFi swiftly across their headquarters and Carmel satellite office without significant operational downtime. The standardized UniFi stack allowed the internal IT team to rapidly configure and install equipment with minimal disruption to daily operations.

Key Hardware Components

The core Fuse network includes:

- UniFi Dream Machine Pro Max
- UniFi Pro Aggregation Switches
- UniFi PoE Switches
- UniFi Access Points

Our 48-port switches handle constant high-bandwidth traffic, We often have 20-30 workstations saturating a full gigabit link all day. UniFi handles this flawlessly.

Anneke Serna, IT Director at Fuse Architecture

Management and Visibility

UniFi Site Manager and UniFi Identity drastically simplified Fuse's network management. Site Manager provides clear visibility into network performance, enabling quick troubleshooting and optimization. UniFi Identity simplified remote access and security, allowing staff seamless VPN connectivity and access to internal resources from anywhere.