Air fibre & point-to-point · Construction

Three home builder offices connected with gigabit air fibre

Three offices roughly 300 metres apart struggled to share plans and photos. We linked them with dedicated gigabit air fibre, without trenching streets or waiting months for carrier fibre.



1 Gbps	300 m	3	99.9%
dedicated air fibre between offices	approximate distance between sites	offices connected as one network	target uptime with ring topology

Before

• Three offices on different streets had no direct high-speed link.

• Large plans, site photos and video files were difficult to share.

• Consumer internet and VPNs dropped during uploads.

• Trenching fibre would be expensive, slow and disruptive to traffic.

After

• Dedicated 1 Gbps air fibre between the offices.

• Three buildings connected as one network.

• Links spanning approximately 300 metres between sites.

• Ring topology designed for a 99.9% uptime target.

Connect the rooftops, not the roads

We surveyed the sites and checked clear line of sight between all three rooftops. The dedicated wireless design linked the buildings without street excavation.

Staff could share construction plans, contracts and site photos across one connected network. The 99.9% figure is a design target for the ring topology, not a measured uptime result.

In the client’s words

“Sharing building plans between offices went from an overnight wait to a few seconds. It feels like all three sites are in the same building.”

— Operations manager, home builder

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