

# EXFO Fiber Case Study

Remote fiber testing system

**EXFO**

An abstract graphic on the right side of the slide, featuring a complex network of black and blue nodes connected by thin lines. The nodes are scattered across the right half of the image, with some larger and more prominent than others. The background is a light blue gradient with a subtle, wavy pattern. The overall aesthetic is clean and modern, suggesting a high-tech or data-driven environment.



## Case study: Tier 1 network deploys fiber on a national scale

As part of its industry-leading Fibre First programme for the UK, Openreach has committed to delivering 25 million homes passed with fiber to the premises by the mid-to-late 2020s.

After 5 years of work, Openreach had deployed 4.5 million homes passed. It wanted to complete the next 20 million homes passed in the same period of time, a monumental task.

Key to the financial success of this initiative is delivering live service and generating revenue at the same time as deployment ramps up. This requires flawless execution, with extremely low defect rates, to ensure that customer activations go right the first time.

To achieve its aggressive goals, Openreach turned to thousands of contractors to build out and turn up the network. However, in moving to a contractor model, Openreach lost visibility of progress in deploying the network and had to rely on others for quality control.

Possessing varying levels of technical expertise, contracting technicians required a solution that was simple and straightforward to use. Nova Fiber's smartphone-based application for on-demand fiber testing fit the bill.

**Defect rates are expected to fall from low double digits to low single digits**

Thanks to proactive testing with Nova Fiber, Openreach expects to achieve defect levels of less than 1% and reduce the need for costly truck rolls as it meets its target of 75,000 homes passed per week.

Openreach intends to use Nova Fiber for its ongoing fiber monitoring needs as well. Nova Fiber's centralized reporting capability will let Openreach view build-out progress in real time.

As a result of adopting Nova Fiber, Openreach can more confidently deliver "right first time" fiber installations, measure its progress in real-time and make projections about future results.

# openreach



*This year, our build has been gathering pace and momentum, and we're determined to match that rapid speed of deployment with the highest standards of build quality and customer service.*

***EXFO will help us get there.***

*As a long-term Openreach partner, EXFO was selected thanks to its proven ability to provide fast, automated qualification of fibre builds, and for its unique iOLM™ OTDR technology.*

**Peter Bell,**  
Director, Network Technology  
Openreach

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