



FIBRE TECHNOLOGIES LTD

Case Study **SURE**

Fibre Technologies Ltd

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Overview

The internet has changed the way we function, and life without network connectivity is almost unthinkable nowadays. Whether it's streaming content from Netflix, shopping online, constantly checking social media, or working from home on cloud-based applications, our lives have been transformed in the last ten years.

The unsung hero in a world of apps, content streaming and the digital economy is the underlying network; Like a motorway that expands as we need it, we expect it to connect us without any fuss, and that's pretty much what happens.

But behind the scenes, an enormous amount of planning, design, investment, and management takes place to enable the cool stuff to flow without a hitch.



The latest phase in our multi-million-pound on-going network investment will see a massive performance upgrade in capacity and resilience

The Project

To provide 100GB connectivity across the existing inter-island DWDM system which runs via subsea cables between Guernsey and Jersey in the Channel Islands.

The Solution

The upgrade of the existing Infinera DWDM infrastructure that was previously provided by Fibre Technologies Ltd, to enable 100Gb wavelengths for their core network, but also to future proof for even higher speeds in the near future.

The Requirement

SURE were embarking on a major core refresh and upgrade to enable much higher bandwidths and satisfy their growing customer demand.

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“Reliability and high-speed performance improves business efficiency and employee productivity, with consumer services and applications running effortlessly, without any annoying buffering interruptions.”

SURE’s ‘always-on’ network is recognised as critical national infrastructure for the islands, supporting vital connectivity and communication services that have been especially significant in the current global Covid

pandemic”
– Jan Collins, Head of Enterprise Product

Fibre Technologies Ltd have a long-standing relationship with SURE Telecom and have been providing them with networking solutions and technical advice for well over 15 years.

With a history of providing CWDM and more recently DWDM services that enable SURE's inter-island connectivity as well as their network requirements within Guernsey and Jersey, Fibre Technologies Ltd were well placed to upgrade their existing DWDM systems to enable 100Gb wavelengths.

By upgrading the software of the existing installed Infinera DWDM systems, Fibre Technologies Ltd were then able to provide the latest hardware that not only provides 100Gb wavelengths today to support their new IP core but also enables 200Gb and 400Gb wavelengths for tomorrow.

The result is a solution that delivers today's required bandwidth for supporting their newly refreshed core, but also enables maximum growth in terms of multiple wavelengths of 100GB and secures the future requirements when the demand for higher speeds arrive.

"Connectivity 'uptime' is guaranteed for all services, including data, cloud, internet and fixed and mobile telephony" continues Jan.

"Recent growth in digital services has been unprecedented, and we now have advanced direct connections with internet service partners like Microsoft, Google, Oracle and Amazon.

We're happy to stay out of the limelight and let the application providers have the glory" concludes Jan, "For us the knowledge that we've built something that both business and consumer customers benefit from is enough for us."

Fibre Technologies Ltd, based in Berkshire, are a highly accredited, multi division, solutions integrator, who specialise in providing the best possible solutions using the latest technology from our chosen partners.

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