CASE STUDY

Service Type: High-speed, resilient Broadband Internet Access

Customer Type: Laboratory Systems & Instrumentation

After years of unstable Internet access and with fibre-based Ethernet not an option, this company urgently required a resilient and cost-effective means of resolving their issues. Although they had a BT fibre broadband connection, it was not proving as reliable as their business systems needs required.

The brief from the customer was: To create a high-speed but more importantly, robust and resilient Internet connection from its office based in Yorkshire, England which allowed them to continually connect to their other UK offices and to third-party trading partners.

The Solution: JPCi migrated the BT Infinity service to our own Fibre to the Cabinet (FTTC) system. We added a second FTTC link and bonded them together within a Cisco router equipped with multiple DSL modules and using our DSL Bonding* Service. This provides bonding of up to four DSL lines which are then presented as one, single Internet connection, each with the ability to fail-over to the other(s) in the configuration.

Additionally, we added a third DSL link based on Annex-M DSL technology. This would act as a fall-back option in the event that both the FTTC links were to fail. As it was routed over a separate part of the JPCi network and was connected in the local BT Exchange via a different piece of equipment (DSLAM), the likelihood of all three links failing was small and provided the level of resilience that the customer budget allowed for.

In summary, for a budget of around one-sixth of providing a fibre-based Ethernet solution, JPCi were able to create a faster yet equally robust Internet connection service with the option of adding servers at a later date (in one of our secure Data Centres) in a secure Private Cloud, MPLS network configuration.

Customer testimonial

"JPCi developed a solution to our problem whereby obtaining high-speed (Ethernet) access to the Internet was simply too costly. Their tailored solution using multiple (bonded) fibre broadband technology with automated fail-over, which we have never heard of, let alone considered, was implemented without disruption to our business and their responsiveness to any problems or issues we experienced was rapid; their technology team are clearly very knowledgeable and always keen to assist. I would be happy to recommend JPCi Group with confidence."

***** JPCi also provides load-balanced DSL connections whereby Internet traffic is routed down a specific connection. In the event of a line failure, that traffic is automatically re-routed down (one of) the remaining link(s).