A stable, redundant Dark Fiber connection for oneCentral thanks to Relined Fiber Network

REQUIREMENT

An infrastructure that is ready for a future in which far greater data capacity will be needed, easy to manage and with optimum scalability.

SOLUTION

An entirely new network and hosting platform, with the linkage between the current two data centres realised using several Relined Dark Fiber connections. These glass fibre links do not cross anywhere.

BENEFITS

· Better redundancy

· 'Unlimited' potential for growth

· Scalability

ORGANISATIE   oneCentral
CONTACT   Theo Belder / Jan-Willem van der Meij
FUNCTIE   System Specialist / Technical Manager
LAND   the Netherlands
WERKNEMERS   10
WEBSITE   www.onecentral.nl
SEGMENT   Service Provider

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An infrastructure that is ready for a future in which far greater data capacity will be needed. As well as an infrastructure that is easy to manage and has optimum scalability. With this starting point in mind, business telecom provider oneCentral has designed a new architecture, created using the required network and virtualization technology and rolled out in close consultation with partners.

In order to realize this infrastructure – and to redundantly connect two data centres to the network – oneCentral has taken several Dark Fiber connections from Relined. This gives the operator an extremely stable – and once again redundant – connection.

oneCentral's needs

oneCentral provides on-the-premises and cloud-based communications services to system integrators and Value Added Resellers. The Haarlem-based company was set up by Marius Savelbergh and has been a supplier of business communications solutions for twelve years now. Now – through its partner network – the company is able to provide its services to organisations operating internationally in the retail sector in a large number of European countries. Often in Europe, but also in North America or Australia. The cloud communication specialist is steadily broadening the number of communications solutions its platform supports. For example, the company helps resellers offer cloud-based business communications from their preferred supplier or suppliers.

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"This was a good moment to create an entirely new design into which we could incorporate all of our own demands and those of our partners", says Theo Belder, System Specialist at oneCentral. "On the drawing board, we also had some insights – like that it would be easier to go from three to two data centers."

Last year, oneCentral came up against the limits of the network infrastructure. Further expansion of the capacity was problematic partly owing to the number of ports already in use, as well as the maximum throughput speed of these ports. It was also impossible to expand the infrastructure in a satisfactory way, even though this was necessary. In terms both of existing demand and that expected in the years ahead.

Cooperation oneCentral and Relined Fiber Network

For the linkage between the two current data centres – easier to manage than the three which were previously in use – oneCentral has taken several Dark Fiber connections from Relined, which allows the operator to connect active equipment and set up the connection completely according to its own needs and insights.

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"When it turns out we need to expand our capacity again, we can increase the throughput speed even further, up to a maximum of 100 gigabits."

Theo Belder

Together with Relined, the entire path between the data centres was drawn out, so that the fibre optics connections between the data centres do not cross one another anywhere. This gives oneCentral an extremely stable – and once again redundant – connection.

Better redundancy

The hosting platform that runs on the new architecture has also been renewed to offer better redundancy and scalability. Now, it doesn't matter in which data centre the network equipment is located. In the event that, for any reason, a router or switch drops out in one of the two data centres, the services offered can immediately be switched to secondary equipment.

Scalability

For the years ahead, oneCentral now has far more possibilities in relation to scalability and expansion. During the roll-out of the new technology, the operator was already reaping the benefits of this, Jan-Willem van der Meij states. "Half way through this year, we already needed extra capacity, and now we were able to upscale this very easily, as early as during the implementation phase."

RELINED FIBER NETWORK

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Loyalty

Flexibility

A deal is a deal

Quality

The latest modifications to the platform were completed in July, and the new network infrastructure has been fully operational since then. But the benefits for both oneCentral and partners and their clients were already clear, Jan-Willem van der Meij says. "The number of support calls already fell during the transition. The new network and hosting platform is considerably more stable, and this can be seen in the low number of disruptions and 24/7 calls: disruptions outside of office hours."

Simpler management

This greater reliability means less risk of problems for customers and reduced investments in time for partners and for oneCentral. Just as importantly, however: it means easier management, Jan-Willem van der Meij stresses. "The old infrastructure had grown organically, with some legacy. Now, we were able to build the underlying

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"As a customer, the most you could notice would be an interruption for a fraction of a second", says Technical Manager Jan-Willem van der Meij. "For more and more organisations, this is also a must in terms of business continuity."

architecture from the ground up, in accordance with our wishes. This also means much greater simplicity of management". Resulting in more time for oneCentral which the operator can invest in improvements and expansion of services for Dutch partners and their customers.

Nationwide coverage, finely-meshed network
Relined is the leading, independent supplier of Dark Fiber connections in Northwestern Europe. We deliver your fibre optics connection from A to B, made up of the stable, reliable Dark Fibers from public and/or private networks. Together with our preferred suppliers, we have some 30,000 kilometres of high-grade fibre optic infrastructure, resulting in nationwide fine-meshed Dark Fiber networks in both the Netherlands and Germany.

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"And if, in the years ahead, we decide to go for it and open locations outside of the Netherlands, such as in Germany or Belgium, we can integrate new data centers into our network very easily using the new architecture."

Jan-Willem van der Meij

Thanks to this network, practically every location can be reached. Alongside nationwide connections and a fine-meshed Dark Fiber network in various urban centres, Relined operates a submarine cable between the Netherlands and Denmark. This sea cable offers you a reliable, super-fast connection between these two countries and connects you easily from Esbjerg to networks on land, or to the sea cable to the UK.

Relined likes to contribute to its clients' thinking in terms of setting up a scalable, reliable, future-oriented network infrastructure for their organizations. Relined offers reliability, flexibility, 'an agreement is an agreement' and quality.