

# High-speed internet for Tabor College, thanks to partnership Art Of Automation and Relined

## NEEDS

Additional bandwidth for Tabor College - which is a customer of Art Of Automation (AOA) - at an affordable price and with DDoS protection.

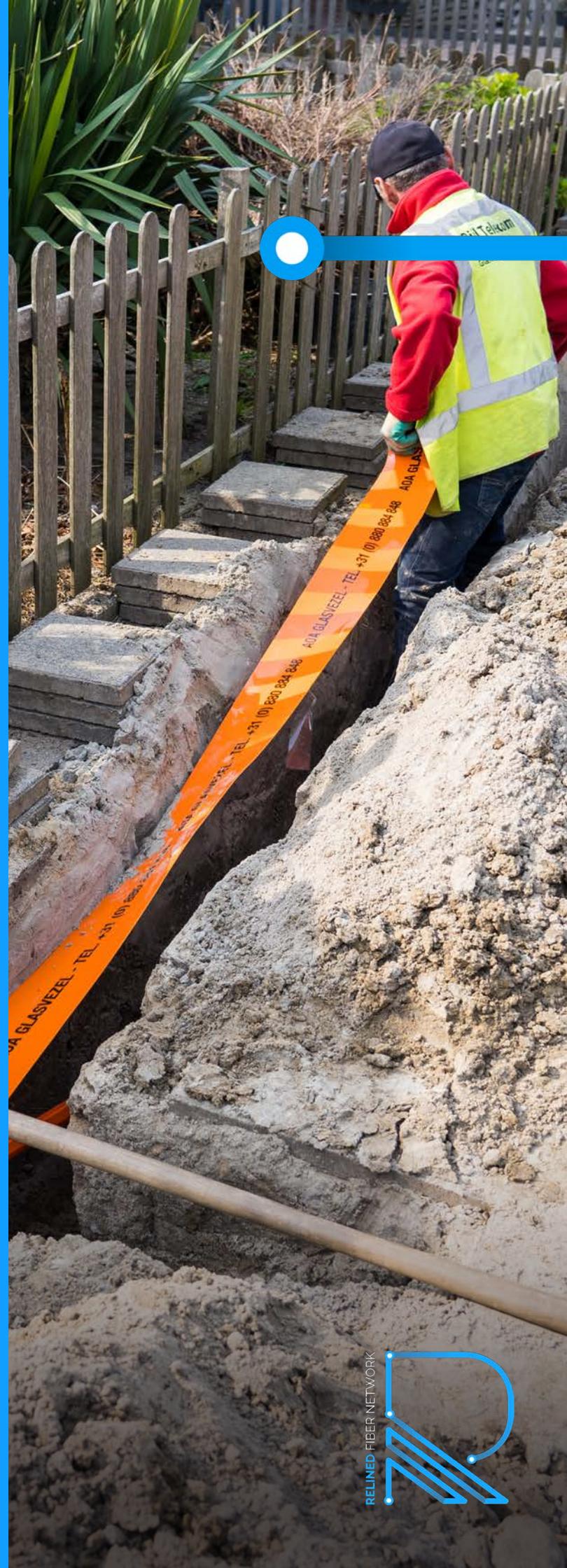
## SOLUTION

A redundant Dark Fiber backbone between AOA's data centres in Haarlem and Amsterdam and the strategic set-up points for AOA's POP stations that are spread across the West Friesland region, which Tabor College can be easily connected to.

## BENEFITS

- Independence
- 'Unlimited' growth opportunities
- Scalability
- Competitive prices

<b>ORGANISATION</b>	Art Of Automation
<b>CONTACT</b>	David Jacobs
<b>JOB TITLE</b>	Commercial Director
<b>COUNTRY</b>	The Netherlands
<b>EMPLOYEES</b>	15
<b>WEBSITE</b>	<a href="http://www.aoa.nl">www.aoa.nl</a>
<b>SEGMENT</b>	Service Provider



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Tabor College, which comprises the d'Ampte, Oscar Romero and Werenfridus schools, offers challenging and innovative education in a secure environment. The combined school has already made great strides in the field of digital education and has ambitious plans for the future too. However, in order to realise these plans, it needs high-speed Internet. For example, the schools use VR (Virtual Reality) environments, where students wear special VR glasses to imagine themselves into different environments. This is all data traffic, which accordingly requires a lot of bandwidth. In order to be able to realise a high-speed connection, Tabor College brought in Art Of Automation, whose partnership with Relined Fiber Network meant that they could meet this customer's needs. These schools now have easy access to a high-speed Internet, thanks to one of Relined Fiber Network's redundant Dark Fiber backbones, which in this case connects Art Of Automation's data centres in Haarlem and Amsterdam and various of AOA's POP stations located in West Friesland.



The bottom line is that Tabor College has stolen a march on its rivals, as it is now the first school to offer super high-speed Internet at three locations in Hoorn, coupled with (almost) zero likelihood of Internet failure.

## **What Tabor College stands for**

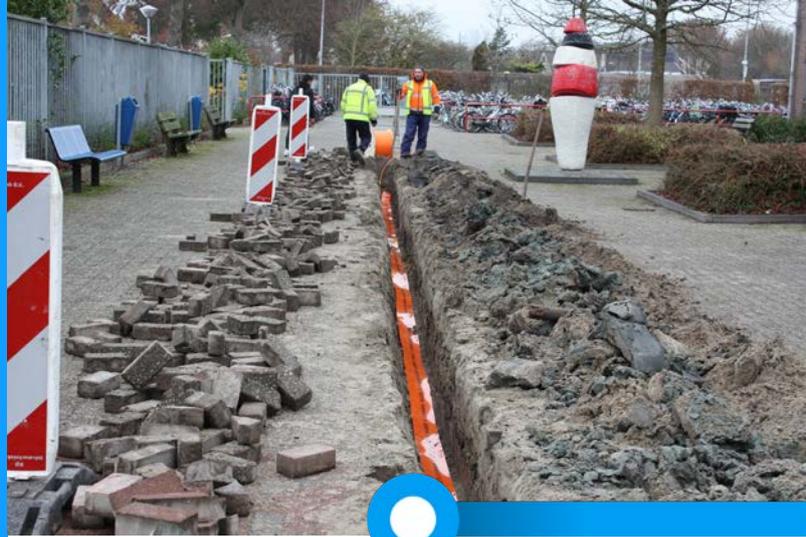
Tabor College is a combined school that comprises three secondary schools located at different sites in Hoorn; it is named after Mount Tabor. This mountain may be relatively small but this feature does make it accessible to all, and this is precisely what Tabor College wants to be, namely an educational establishment that is accessible to all. Challenging, innovative education is provided, with all concerned working hard to provide the students with both the best opportunities for the future and an enjoyable time at school. The college is an advocate of digital education. It believes that digital media can be utilised in order to deliver tailor-made education.



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'Tabor College wants to tailor its teaching as much as possible to the student's own level of education and pace of learning. We want to challenge and motivate our students by making the learning materials exciting and fun but we also want to make it possible for them to learn at their own pace. Digital education makes this process much easier. However, we cannot afford delays or faults on the network, because both students and teachers depend on this network. This is why we are extremely happy with this new, reliable, high-speed Dark Fiber connection that has been realised by Art Of Automation and Relined Fiber Network.'

Raymond van den Berg,  
Head of ICT at Tabor College.



In this way, both the teenage students and the teachers use tablets. This means that the students can follow completely interactive lectures, with teachers in their turn being able to view a dashboard to see how each student is getting on and the areas where he or she may need additional coaching. Since the college is already making great use of digital education and since it also has ambitious plans for the future, the reliability of its ICT environment is very important. In addition, it needs to have a high-speed connection: under the previous set-up, usage of this connection had to be 'squeezed' so that everybody could use it but this is no longer the case.

## **The answer to the need for greater connectivity**

Art Of Automation (AOA) noticed that there was a shortage of connectivity in the North Holland region, especially at combined schools and within health-care institutions.



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'We see it as our mission to make the commercial fibre optic infrastructure as accessible and financially attractive as possible for all types of businesses. We do this so that users can focus on their primary business processes and are provided with the most comprehensive ICT solution possible.'

David Jacobs

Commercial director, Art Of Automation

As part of the drive towards corporate social responsibility, AOA provides these institutions with connections to the fibre optic network at very attractive prices, which leaves more budget funds available to deliver healthcare and education needs. This connectivity can be realised easily, because the presence of the redundant backbone means that only small sections of new network need to be installed. Tabor College has stolen a march on its rivals but now expects many other communities to follow in its stead. The college itself is very happy to be the first to take this step, because it has ambitious digital education plans that it can now implement in this way: Thanks to this Dark Fiber connection, since the beginning of this year the combined school has had access to Internet bandwidth of no less than 20 Gigabits a second (compared to 0.8 Gigabits per second previously). Working in partnership with Relined Fiber Network, Art Of Automation has connected the schools to a new fibre optic network, which – according to Managing Director Rik Bruins – means that at a single stroke 'we have become the combined school that has the fastest Internet connection in the whole of the Netherlands'. What's more, because each school enjoys a redundant connection with the net-



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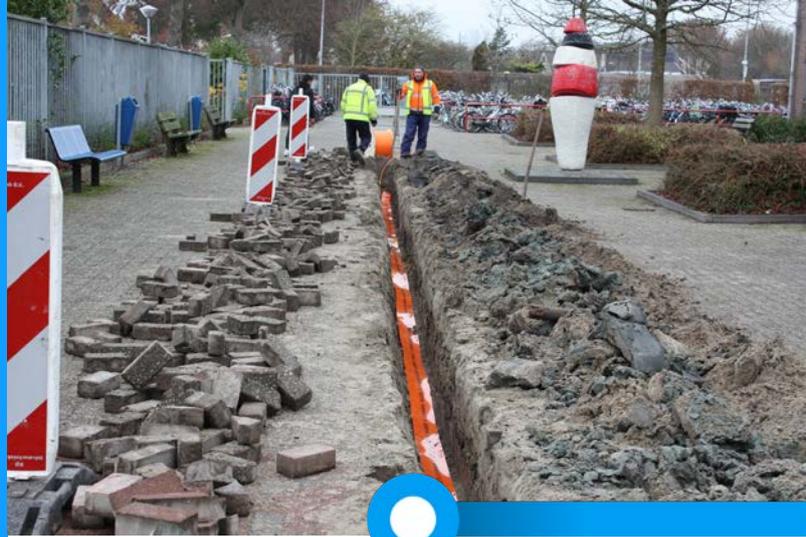
work, the likelihood that its Internet connection will 'go down' is almost nil.

## **Nationwide coverage, finely-meshed network**

Relined is the leading – and independent – supplier of Dark Fiber connections in Northwest Europe. Together with its preferred suppliers, Relined offers a nationwide, fine-mesh Dark Fiber network in the Netherlands and Germany that is more than 30,000 kilometres in length and that boasts a high-quality fibre optic infrastructure. You can use this network to reach almost any location. In addition to national connections and a fine-mesh Dark Fiber network in a whole host of city centres, Relined operates an undersea data transmission cable that connects the Netherlands and Denmark. Relined is happy to devise potential solutions for and with customers for setting up a scalable, reliable and future-proof network infrastructure for their



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**Loyalty**

**Flexibility**

**A deal is a deal**

**Quality**

organisation. Relined offers reliability, flexibility, 'a deal is a deal' mentality and quality. Relined has already been working with Art Of Automation for some time now. This partnership has already provided great solutions for customers that involve the provision of Dark Fiber services. By combining their resources, Relined and Art Of Automation have been able to meet Tabor College's need for a high-speed connection at three different locations. Using Relined's existing network meant that a backbone could be realised between Art Of Automation's two data centres located in Haarlem and Amsterdam. What's more, a number of POP stations (disconnection points) have been realised in West Friesland, which provided a simple way for Art Of Automation to connect the fibre optic network to Tabor College sites. In future, AOA will connect not only a great many more healthcare and educational institutions to the backbone network but also companies



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that lie within AOA's fibre optic coverage area, which is also the marketing proposition that Art Of Automation is using to market its fibre optic services.

## **Art Of Automation**

Art Of Automation, where David Jacobs is employed as its commercial director, stands for the provision of high-quality ICT infrastructure services in partnership with the customer and other stakeholders, including to as a broad a section of the public as possible. Art Of Automation believes in the power of partnership and on the combining of individual capabilities. For this reason, the installation, implementation and management of the infrastructure is realised in collaboration with Relined Fiber Network and a number of other partners.

'Relined has been working with Art Of Automation since 2013 but for many in our company, Relined has been a reliable partner for even longer than that. For instance, I got to know Relined via my previous employer. Our partnership is a flexible and enjoyable one. All the people there who we have come into contact with know all the ins and outs of our 'case', show a sincere interest in our needs and can also make a valuable contribution to our success. What's more, Relined does not operate in a way that could compromise our competitive position in any way. This makes our collaboration an even more pleasant one!'

David Jacobs  
Commercial director, Art Of Automation

