



To learn faster from the air

With education and administration equally affected, network improvements were needed to give students and staff an advantage. Deploying a Cisco® infrastructure made it possible.

“We used to get a lot of complaints about internet connectivity. Now, such problems have virtually disappeared.”

Gerrit Haakma, Head of ICT, ROC Friese Poort

Today's students demand more digital learning tools and resources. The wireless capacity and performance at ROC Friese Poort wasn't sufficient anymore. Our new Cisco Wi-Fi network made a difference.

Challenges

- Give students the advantages of access to online digital content
- Provide teachers with digital administrative and teaching tools

The 13,000 students at ROC Friese Poort in northern Netherlands struggled to take advantage of online learning.

Gerrit Haakma, head of IT, says, “Our wireless network was set up for broad coverage, but with students bringing in more wireless devices, and an increase of internet usage, we needed greater capacity and coverage.”

Case Study | ROC Friese Poort

Size: 1350 employees

Location: Netherlands

Industry: Education





Students stay online everywhere, while the ICT team gets far fewer complaints.

Solutions

· Cisco wired and wireless networking

Continuous sign-up

Giving ROC Friese Poort complete bring-your-own-device (BYOD) capabilities, the Wi-Fi solution is smart enough to spot a device after it's logged on and re-admit it later. So, students don't waste time refreshing their Wi-Fi connections as they move around the campus. "They only need to log on once, and the network takes care of everything else," Haakma says.

Disappearing act

Handling network faults used to take a lot of the IT team's time. Integrating the new Cisco 802.11ac wireless network in to the Cisco Prime™ Infrastructure network management soon changed that. Now it takes far less time. "We used to get a lot of complaints about internet connectivity," says Haakma. "These problems have virtually disappeared."

Assistance

IT management is made easy because the wired and wireless networks are both controlled through Cisco Prime™ Infrastructure. The solution, installed by Dutch Cisco Premier Partner, aaZoo BV, also includes Cisco Smart Net Total Care™ service so there is no worry in case support is needed.

With 24-hour access to Cisco technical experts, the Cisco Smart Net Total Care award-winning support service helps reduce risk. Identifying issues faster and streamlining incident management mean problems are resolved more quickly.

Fault-handling time
reduced by more than
90%



Results

- Wi-Fi use by students and staff increases significantly
- Fault reporting dropped dramatically
- Students can work much more flexibly

Attendance checking

Bandwidth in the classroom is assured with Cisco CleanAir® technology. Students can now easily use online tools, video-based content, and other rich media. Teachers are benefiting, too. "There were times when staff couldn't do an attendance check, because the Wi-Fi connection was bad," says Haakma. "Now, completing these routine tasks in the classroom with their iPad is simple and quick".

Agile education arriving

ROC Friese Poort plans to use the network to deliver new ways of learning. With more-than-ample bandwidth, for instance, it can deploy a virtual desktop infrastructure. Students no longer tied to physical locations or rigid schedules are able to work much more flexibly.

Products & Services

Wireless

- Cisco 5700 Series Wireless LAN Controllers
- Cisco Aironet® 2700 Series Access Points
- Cisco Catalyst® 3650 Series Switches

Security

- Cisco ASA 5585-X Adaptive Security Appliances

Management

- Cisco Prime Infrastructure

Services

- Cisco Smart Net Total Care service

For More Information

To learn more about the Cisco solutions featured in this case study, visit www.cisco.com/go/wireless and www.cisco.com/go/sntc



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