



NOVELIS

INSIGHT HELPS NOVELIS DELIVER VOICE AND DATA WITH A SECURE NETWORK

Novelis is Asia's largest integrated producer of aluminium and copper.

The company produces an estimated 19% of the world's flat-rolled aluminium products, operating in 11 countries with approximately 12,900 employees, using industry-leading technology in the manufacturing process.

Novelis produces high-quality aluminium sheet and foil products for a wide range of markets including automotive, transportation, packaging, construction and printing. Customers include major brands such as Coca Cola, Agfa-Gevaert, Ford, Kodak and Tetra Pak.

Novelis is also the world leader in the recycling of used aluminium beverage cans; annually they recycle more than 38 billion.

The Challenge

The Rogerstone plant in South Wales was starting to experience reliability issues with its LAN that was installed eight years previously.

"We were finding that in certain parts of the factory the network was slowing down. Our network traffic was continuing to grow at a considerable rate and the existing network infrastructure was no longer fit for purpose," explains Colin Harper, IT Manager.

"The LAN infrastructure needed to be replaced and full redundancy built into the design. The plant operates 24/7/360 days a year, and keeping the manufacturing process operational is critical to the success of the company. We also needed to segregate the office and manufacturing LAN and introduce a new IP addressing scheme to connect all the manufacturing equipment."

There was an increase in the quantity of data to the Novelis high-speed programmable logic controllers (PLC) – digital computers used for the automation of their industrial processes. Novelis needed a robust network resiliency between the core and edge switches to ensure no downtime.

"A date was chosen early in the project when we could make the changes to the network, I needed to feel confident it would happen."

AT A GLANCE

Client Profile

Novelis is the world leader in aluminium rolling, a wholly owned subsidiary of Hindalco Industries Ltd.

The Challenge

The Rogerstone plant in South Wales was starting to experience reliability issues with its LAN that was installed eight years previously.

The Solution

Insight helped Novelis to deliver a new network with resilience ensuring there was no disruption to the manufacturing process. A secure network is now in place for business-critical applications.



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The Solution

Novelis put together a competitive tender for three Cisco re-sellers, they found Insight via the Cisco website.

"I decided to switch to using Insight because of their strong project management and technical expertise. As a Cisco Gold Partner we found that they could give us greater discount than any of the other Cisco re-sellers. What also impressed me was Insight's attention to detail, and with their consultative approach."

Insight implemented a Hot Standby Router Protocol (HSRP), a Cisco redundancy protocol to provide a fault-tolerant default gateway. The implementation included a main core switch together with 40 edge devices with dual redundancy.

"In the unlikely event of us losing the main computer complex, our systems would be able to run from the back-up facilities. We had the whole infrastructure set up and hot staged at the Insight offices for configuration and testing. I was on-site with colleagues for two days to put the network through its paces.

The installation was a great success, both companies working closely together. The time frame was tight but we achieved it with no disruption to the manufacturing process, a great success for all concerned."

The Benefits

"By updating our network we have removed a business inhibitor to create an enabler. The infrastructure that we now have in place will allow us to go wireless in the next phase of the project. The installation went very smoothly, I was delighted with the support I received from Insight and their after care support.

The configuration architecture designed by Insight was well thought through. The new network is delivering improvements in the productivity of our manufacturing processes across the plant, all throughput issues have now been removed."

Novelis are now able to connect to all their technical equipment, IP enabled on the network, gaining greater control. The resilience in place has meant there is now no single point of failure, critical to any manufacturing business. They have the additional benefits of being able to connect to electrical substations, bringing additional visibility on energy consumed by the business.

"The strong project management we received from Insight contributed greatly to the success of this complex project. I now feel confident in moving to the second stage of the project introducing a wireless network. I feel we have a strong partnership in place moving forward. Our network is now fully documented and we are now experiencing a marked improvement in the performance and productivity of our network.

The Insight CareNet support contract we have in place has helped to ensure we have a stable and reliable network, updates are made quickly and easily. Network administration is now far easier, the management interface of the network intuitive and easy to use.

Insight's attention to detail and strong project management has resulted in a successful project for us. I feel we have a good working relationship in place and they can help us to continue to implement our IT strategy."

The Outcome

- » Stable and reliable network
- » Full resilience
- » Easy network administration
- » Unified communications strategy
- » Comprehensive support contract in place
- » Strong project management

"I was delighted with the support I received from Insight and their after care support."

Colin Harper,
IT Manager, Novelis

Who is Insight?

Insight is a technology solutions provider serving global and local clients in 170 countries on all continents. Today, thousands of clients, including more than 80 percent of the Global Fortune 500, rely on Insight to acquire, implement and manage technology solutions to empower their business.

Insight provides software and licensing services globally. In addition, we offer a comprehensive portfolio which also includes hardware and value added services for our clients in North America and the U.K.

We are aggressively expanding our global capabilities by introducing new offerings, including hardware and services, to meet emerging needs for our clients worldwide.

Insight is ranked No. 477 on *Fortune Magazine's* 2008 'Fortune 500' list.

