

Success Story



The Challenge

Through the decades, the Max Bögl group, with the help of technological and organisational innovation, has evolved progressively from offering pure construction services into a present-day technology and service organisation. Projects need to be coordinated and organised all over the world. Apart from the globally distributed company locations, construction sites need to be connected to the centralised IT infrastructure in a safe and reliable manner all the time.

The Solution

Using VPN (virtual private network) technology helps Max Bögl operate a secure global corporate network that offers connectivity at short notice even to remote locations. With the help of a high-performance MPLS backbone and encryption according to the IPsec standard for VPN operations on the Internet, noris network provides for fast access and reliable protection against data theft.

The successful project

Max Bögl has been relying on VPNs and security solutions from noris network for more than ten years. Broadband fibre connections provided by noris network interlink the company and its plants directly, individual locations and building projects are connected cost-effectively via local providers using VPNs. Data and information can be shared directly by accessing the centralised corporate IT system; expenses for local IT installations are reduced to a minimum.

Virtual Private Networks: Max Bögl Interlinks Corporate Locations and Building Projects



"Our corporate headquarters in Neumarkt are connected to noris network directly via a fibre line of 60 kilometres length. This connection extends to our location in Bucharest, for instance, which in turn is connected to our corporate VPN by noris network. It stands to reason to resort to the expertise of the specialised service provider, noris network, as well when the issue is implementing complex technology such as a VPN", states Manfred Großhauser, Head of Information Technology at Max Bögl.

Centralised System Link-up

As early as in the mid-nineties, the Max Bögl group started to centralise their data management. In order to keep local installations, for building projects for instance, as lean as possible, branch offices are connected to the corporate network. In this way, the individual corporate locations cease to be isolated solutions where all data have to be stored on local systems or in a separate, closed off network. Rather, there is a permanent network connection to the corporate headquarters in Neumarkt in the Upper Palatinate. This enables users to file data on the centralised servers and in the same way, retrieve them again from any location.

VPN: an isolated network on the Internet

The individual branch offices are interconnected to one large, global network by linking them to the Internet via local access points. These carry encrypted point-to-point connections between the locations on fixed routes across the Internet. In this way, the local corporate networks together form a large, locked off network, namely, a virtual private network. For this purpose, noris network operates high-performance MPLS (multi-protocol label switching) backbones that provide for lag-free, fast access to all parts of the distributed network topology. For maximum privacy, authenticity, and integrity of all connections, the data links are encrypted down on the backbone level using IPsec.

Security solutions for the entire IT infrastructure

As part of their research and development efforts, Max Bögl produces innovative solutions for high-speed traffic that are employed worldwide. Potential data theft, for example by accessing the network directly through hardware on a building site or by hacker attacks out of the Internet, was successfully counter-acted in an early stage while planning and implementing the corporate IT. To enable a high degree of data security, noris network developed a multi-level security scheme for Max Bögl's IT infrastructure. In addition, noris network offers ISP services such as fast Internet links using high-performance backbones featuring 24/7 services, high availability, and a redundant infrastructure.

Data & facts

- More than ten years of successful cooperation
- VPN configuration and management
- Availability monitoring around the clock
- Transparent data traffic encryption
- Security solutions for the company-wide IT infrastructure
- Internet access points implemented by noris network

Max Bögl

The Max Bögl group is the largest privately owned building enterprise in Germany and can look back on 75 years of successful company history. Through the decades, Max Bögl has evolved progressively from offering pure construction services into a leading technology and service organisation. Their broad range of services offered now allows Max Bögl to realise highly complex construction projects as a single source.

noris network AG

Nuremberg-based noris network AG offers enterprise customers tailor-made ICT solutions in the areas of IT outsourcing, cloud services and network & security. Technological basis of these services is a powerful IT infrastructure that relies on noris network's own high-performance backbone and multiple high-security data centers. noris network AG is fully certified according to ISO/IEC 27001 and ISO/IEC 20000 and has a BSI certification for its own data centers. The data centers have been awarded the maximum rating of five stars in the eco Datacenter Star Audit conducted by eco (Association of the German Internet Industry).

noris network

noris network AG • Thomas-Mann-Strasse 16 - 20 • 90471 Nuremberg • Germany
Phone +49 911 9352-160 • Fax +49 911 9352-100
www.noris.de • vertrieb@noris.de