

# Cloud security for agile working

Internet Protect Pro protects office applications from the cloud



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**“Thanks to T-Systems and Telekom Security, the conversion to decentralized internet breakouts and cloud security has given us the ideal additions to our cloud strategy, enabling us to continue growing our business.”**

Wolf Siegemund, KAESER KOMPRESSOREN SE

Industry 4.0 is the maxim and challenge alike for all manufacturing and mechanical engineering firms. Intelligent solutions for manufacturing that are efficient and high-quality, yet also sustainable and flexible, point the way to the future. With a footprint and partners in over 100 countries, KAESER KOMPRESSOREN is a global leader in compressed air systems.

With modern business models and innovations like “smart compressed air”, the company is ready for the digital future – and the competition. Its success speaks for itself: KAESER KOMPRESSOREN is growing unabated, so the compressor manufacturer and provider of compressed air systems also needs a scalable, secure ICT foundation to serve its growth strategy.

KAESER KOMPRESSOREN uses Google’s G Suite as its office environment. All employees worldwide access their office environments in the public cloud via the main data center at its Coburg headquarters. The user experience suffered from the resulting latency. KAESER KOMPRESSOREN relied on the ICT expertise of T-Systems to rectify the weak performance. The heart of the solution involved implementing decentralized internet breakouts for its international subsidiaries.

Internet Protect Pro safeguards internet access as an ideal addition. As a result, KAESER KOMPRESSOREN has not only increased flexibility, but also created an appropriate level of security for every work situation – even mobile.



## At a glance

- Security architecture for high performance and good user experience
- Security from the cloud: Always up to date thanks to near-time signature updates
- Scalability of workplace systems for growing business
- Ready for the changeover to SD-WAN

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# Reference in detail



## Customer pain points

KAESER KOMPRESSOREN uses Google's G Suite from the public cloud as its scalable office solution for new branch offices and its growing workforce. It is available anywhere via the internet and efficiently supports the company's dynamic growth. However, the security of office systems via the internet was insufficient in the enterprise environment. KAESER KOMPRESSOREN was relying on a central firewall at its Coburg data center, which all internet traffic had to pass through. As such, the security solution was not a perfect fit with the flexible office solution, because the security architecture resulted in long runtimes when the applications were used. This resulted in a poor user experience, particularly at the international company's more remote sites. As such, KAESER KOMPRESSOREN sought a solution that not only optimized the user experience, but also offered a high level of security for the office applications from the cloud.



## How T-Systems solved it

KAESER KOMPRESSOREN decided to replace its centralized approach with a decentralized solution. The MPLS network continues to be used for the business-critical applications. The branch offices have also received separate routers that enable direct internet breakout. Telekom Security rolled out the latest-generation routers and manages them continuously. They give KAESER's international subsidiaries direct access to the data centers from which the office applications are provided.

But how can an appropriate level of security be guaranteed under this new architecture? Investing in new security hardware for each site was out of the question. KAESER sought a partner that had experience with security and connectivity to solve this challenge - and found one in Telekom Security. The mechanical engineering firm now gets its Security as a Service from the cloud, thanks to Internet Protect Pro powered by Zscaler. Zscaler runs its security solution as a cloud service at data centers around the world. KAESER's data traffic for office applications passes through Zscaler's security functions before accessing the G Suite. Internet Protect Pro protects local internet access points based on a multi-tier security concept.



## Business impact

Rolling out the new routers not only improved the user experience; it also positioned KAESER for the next step in network evolution: The routers can be converted to SD-WAN centrally with little effort. At first, however, KAESER is optimally positioned for its cloud strategy, which efficiently supports its business growth. New sites can be connected easily. KAESER requires little effort to manage the security services.

Zscaler provides Security as a Service. This means signatures can be provided centrally and rolled out within minutes, for example, reducing the danger of zero-day exploits. Above all, safeguarding the local internet access points ensures an excellent user experience.

### Further advantages:

- Full protection for cloud-based office systems
- Simple scalability for growing business
- On-demand pricing
- Rapid rollout
- Tailored for mobile and remote work

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