



HORNETSECURITY

# LPKF

## Laser & Electronics

### 10+ YEARS: LASER SPECIALIST LPKF RELIES ON ALL-ROUND CLOUD PROTECTION FROM HORNETSECURITY



-  **INDUSTRY** Mechanical engineering
-  **SOLUTIONS** 365 TPEB, Spam and Malware Protection, Archiving & Email Encryption
-  **COMPANY SIZE** around 850 employees
-  **WEBSITE** [www.lpkf.de](http://www.lpkf.de)

LPKF Laser & Electronics AG is a technology company listed in the Prime Standard of the German stock exchange. With around 850 employees, it manufactures machines and laser systems for micro material processing at four European locations and sells them worldwide. IT operational security and the protection of data and innovations are very important both to LPKF AG, which is one of the world's best in its sphere, and to its industrial partners in the electronics manufacturing, medical technology, automotive and solar industries. Headquartered in Garbsen near Hanover Germany, the company has been entrusting the security of its cloud environments to Hornetsecurity for over 10 years and is expanding its growing on-premise application landscape into a fully integrated cloud security platform.

#### Starting point: Conversion from on-premise to low-maintenance cloud services

The growing use of resources for the protection of IT and communication infrastructures made a change of strategy necessary at LPKF AG as early as 2012. To be able to cope with the increasing demands on operational IT security from a performance and profitability point of view, the company decided to switch its virus scanner and spam management, which had been operated locally at individual workstations, to a central cloud service with better scanning capabilities and filtering options. In its next step, it converted its use of PGP-based email encryption, which was very complex in operation and maintenance, to the more widely used S/MIME encryption standard.

„In the past, we used different solutions for different areas. This made both the administration and the monitoring of the services more complex for us,” recalls Benjamin Busjahn, Department IT Manager at LPKF Electronics AG. „With Hornetsecurity, we finally opted for a leading cloud service with which we can ensure a higher level of protection and, at the same time, sustainably simplify the management and control of the services via a central platform.”

#### Solution: All-round protection for Microsoft 365, email communication and data

Starting with spam and virus protection from the cloud, LPKF has been continuously expanding its use of the Hornetsecurity product portfolio over the years to combat the growing number of threats and increased security requirements. Today, LPKF also uses Hornetsecurity's email encryption and Advanced Threat Protection to protect against ransomware, fraud, and industrial espionage attacks. Hornetsecurity email encryption supports both the PGP and TLS and S/MIME standards and, if the recipient does not have the usual decryption technologies, offers a convenient solution with Websafe to maintain the confidentiality of email communication. So far, employees with regular external communication, which corresponds to around half of the LPKF workforce, have been equipped with S/MIME certificates.



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With Hornetsecurity's 365 Total Protection Enterprise Backup, the company also secures the Microsoft 365 environments including emails, Teams and SharePoint files against threats and loss. The backup systems secure both the approximately 80% of the applications operated in the cloud, as well as the 20% on-premise-operated solutions and data. For this purpose, a local server was provided at each of the four European LPKF locations, which are completely managed by Hornetsecurity. For failover, a backup from the local servers to Hornetsecurity's data centers is backed up as a second cloud backup.

### **Result: High degree of automation and service with added value**

The linchpin for Hornetsecurity's services is its control panel. Via the control center, IT employees can switch directly from email management, for example, to connected services such as backup management. This makes monitoring, controlling, and optimizing filters and configurations much easier. The high degree of automation also contributes to the efficiency of IT processes: In the future, a new S/MIME certificate will be automatically booked and assigned directly in the Active Directory of Azure when a new user is created with an email mailbox. In backup mode, automation is already so advanced that every newly created team in Microsoft Teams is automatically transferred to the 365 Total Protect Backup.

„A particular added value for us is the quarterly meetings we have with a Hornetsecurity Customer Success Agent, who together with us goes through the anomalies, weaknesses and potential for improvement of the last quarter. The regular review discussions show us in a compact form how our current protection mechanisms work and how we can further expand our level of protection across all services – and we can concentrate on the knowledge gained and the fine-tuning of the systems,“ explains Benjamin Busjahn.

“By centralizing the services to an end-to-end cloud platform and purchasing cloud security services, we save enormous



Benjamin Busjahn

Department IT Manager at LPKF Laser & Electronics AG

resources in our day-to-day business and can use them more specifically for our daily business,” he said. “The Hornetsecurity services offer us much more than we could implement on our own and with reasonable resource expenditure. With 365 Total Protection, Hornetsecurity has developed and expanded a product for spam and malware filtering, email encryption and backup in Microsoft 365 environments, which is unparalleled in depth and consistency.”

### **Outlook: S/MIME certificate for all users and digital e-mail signatures**

In the short term, it is planned to equip all 850 users at LPKF with an S/MIME certificate and to increase the described degree of automation for this when creating new users. The aim is to achieve a higher level of protection across all workplaces. In the medium term, Hornetsecurity's email signature service will also be used to obtain all email security services from one platform.



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### About LPKF Laser & Electronics AG

LPKF Laser & Electronics AG, headquartered in Garbsen near Hannover, Germany is a leading provider of laser-based solutions for the technology industry, which are used to produce printed circuit boards, microchips, automotive parts, solar modules, and many other components. Around 850 people are employed at locations in Europe, Asia and North America. With LPKF machines, companies from the electronics manufacturing, medical technology, automotive and solar industries can produce ever smaller and more precise components. At the same time, they can increase the functionality of these components and take advantage of new design possibilities. This results in products at the forefront of what is technologically feasible, both for industry and for consumers. The result is more powerful, smaller, and more energy-efficient products and thus improvements in mobility, connectivity, power generation, and digital entertainment. LPKF can look back on more than 40 years of experience as a technology and innovation leader. The worldwide service network ensures the availability of the machines around the clock. The shares of LPKF AG are listed in the Prime Standard of Deutsche Börse.



The patented laser plastic welding processes are used, among other things, for the production of car taillights (Image: LPKF Laser & Electronics AG)

### About Hornetsecurity Group

Hornetsecurity is a leading cloud security and compliance SaaS provider, which protects the IT infrastructure, digital communication and data of companies and organizations of all sizes. The security specialist provides its services worldwide via 11 redundant, secured data centers. Its product portfolio covers all important areas of email security, including spam and virus filters, legally compliant archiving and encryption, defense

against CEO fraud and protection against ransomware; backup and recovery; as well as security awareness training. With more than 400 employees, Hornetsecurity operates in more than 30 countries through its international channel partner network and its premium services are used by approximately 50,000 customers.

Learn more on [www.hornetsecurity.com](http://www.hornetsecurity.com) and [LinkedIn](#).