

Excellence in Digital Security.

genua.

Welcome to genua

“Our product is called ‘trust’.
because trust is the
foundation of the digital
society.”

Marc Tesch and Matthias Ochs
Managing Directors of genua GmbH



IT Security is the Basis for Economic Success and a Free Society

In a world that is increasingly digitalized, IT security has become one of the keys to the sustainability of our society. The development of new business models, the protection of critical infrastructures, communication between the state and citizens, the economic and social transformation in the fight against climate change – we will only successfully master all these tasks if we can work together in a spirit of trust.

As a subsidiary of the Bundesdruckerei Group, genua supports the digital sovereignty of Germany and Europe. In this way, we help to make the digital activities of companies, government agencies, and also individuals more independent and secure. We create trust by protecting data and secure communication channels.

To achieve this goal, we focus on excellence in the development of our products, on integrity when dealing with our partners and employees, and on the sustainability of our solutions in terms of shaping digitization for the future.



The Highest Standards

We comply with the highest national and international standards for the development of IT security systems and enjoy the trust of a large number of companies, authorities, and public institutions in Germany and the EU.



Certified Quality Management

genua is certified according to ISO 9001 and ISO 27001. In this way, we guarantee continuously high product and service quality through consistent quality and information security management.



Digital Security – since 1992

genua was founded in 1992, just three years after the birth of the World Wide Web. Since then, we have been continually developing our expertise and supporting our customers with extensive experience.

A man with short brown hair and a light beard, wearing a dark blue V-neck sweater, is smiling and looking towards the right. He is positioned in front of a large computer monitor, which is partially visible on the left side of the frame. The background is a soft, out-of-focus light blue and white.

IT Security – Made in Germany

“‘Made in Germany’ stands for the strengthening of national security and digital sovereignty.”

Markus Friedl
Group Management Crypto Systems

A Strong Location for IT Innovations

The “Made in Germany” label stands for stability and reliability as well as for high standards in data protection and legal security. Accordingly, genua develops IT security solutions that stand out due to their uncompromising development and reliability in application. As a subsidiary of the Bundesdruckerei Group, genua enables public authorities, critical infrastructures, and companies to benefit from the advantages of digitization while protecting their expertise and data.

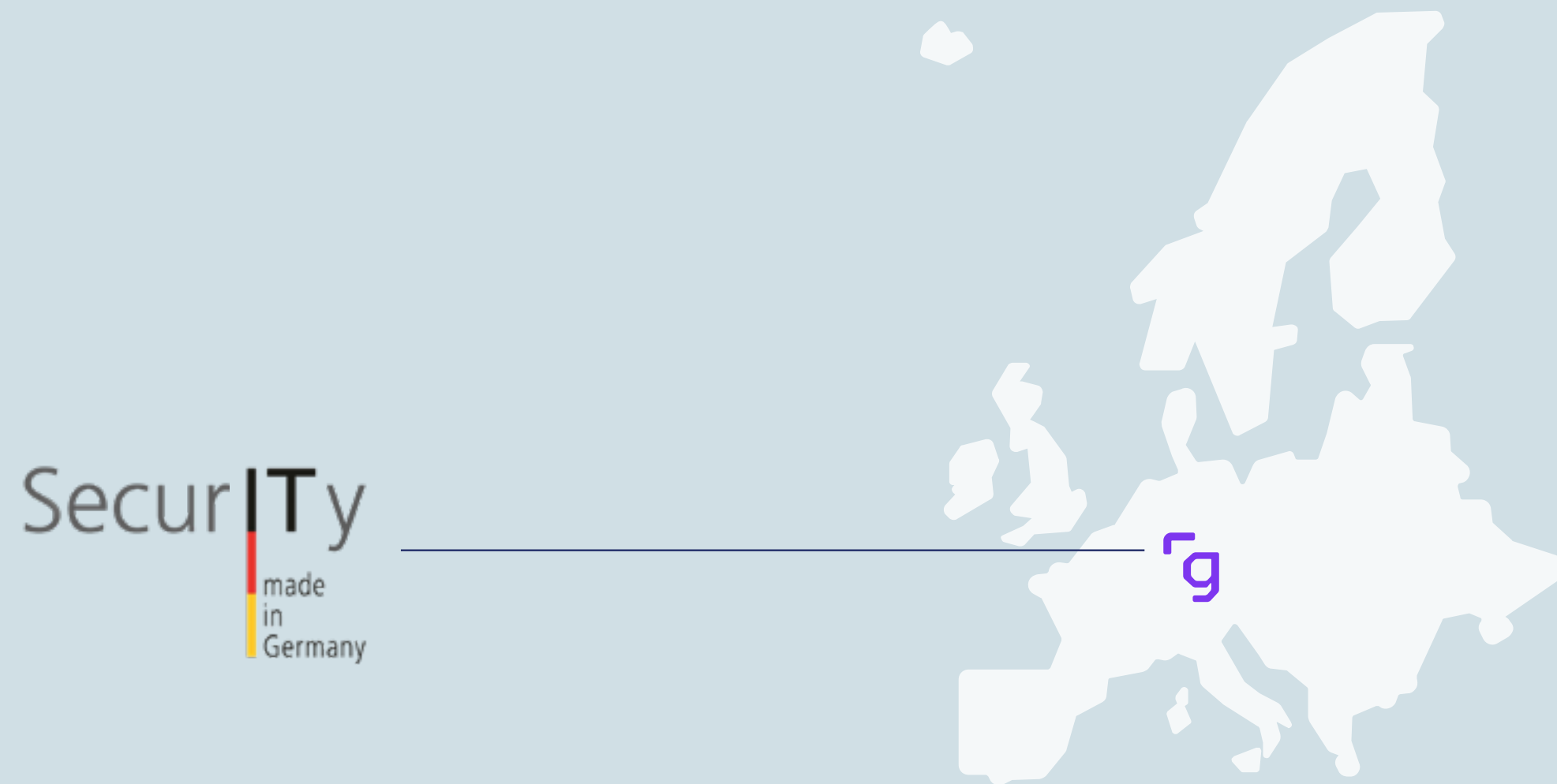
genua is a pioneer in the development of highly secure IT security solutions. The first certificate for a firewall in the history of the German Federal Office for Information Security (BSI) was awarded to genua back in 2002. Since then, genugate has been the only firewall in the world classified as “highly resistant”. It is also protected against quantum computer attacks by a forward-looking update mechanism.

Through continuous development and cooperation with leading international research institutes, we set new standards for technologies that increase confidence in progressive networking.

Digital Sovereignty for Germany with an European Perspective

The digital sovereignty of companies and government agencies in Germany is directly and inseparably linked to the European Union. In order to be able to act freely, we need to know where the technologies we use come from and have alternatives in case of doubt.

genua is therefore a member of the German IT Security Association (TeleTrusT) and carries the “IT Security made in EU” seal. This guarantees that our products do not contain any hidden access points (backdoors), meet the strict quality requirements of the EU and fulfill the high European data protection standards.



Subsidiary of the Bundesdruckerei Group

Since 2015, genua has been part of the Bundesdruckerei Group, making it part of an extremely powerful network of competence for the development of trustworthy high-security solutions.



Certifications and Approvals by the BSI

We comply with the highest security standards. For example, our VPN solutions are approved by the German Federal Office for Information Security (BSI) up to the classification level German VS-NfD.



Digital Sustainability

Digital sustainability is part of the DNA of genua. We therefore place the five dimensions of sovereignty, security, sustainability, robustness and controllability at the center of our actions.



Network and Partners

“Cooperation is the
decisive factor for
the success of
digital business models.”

Sandra Knudsen
Human Relations, Recruiting

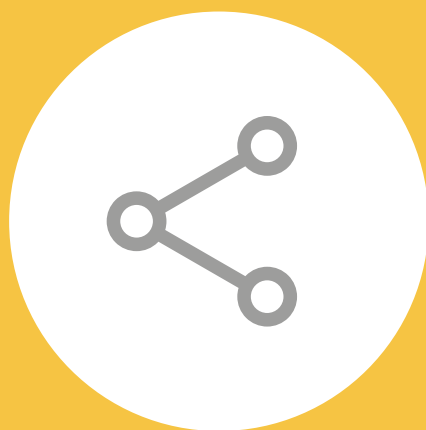
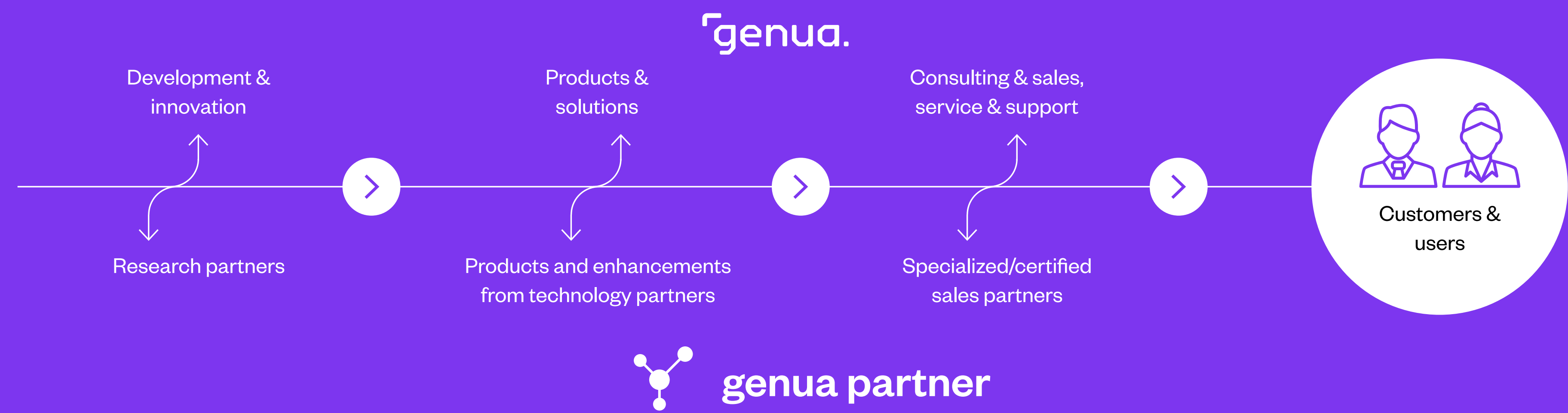
A Strong Network for Customers and Users

genua works with high-performance partners in technology development, with associations and organizations, and with well-known companies in the field of training and sales. In doing so, we offer our customers a holistic ecosystem of customized product concepts, specialized consulting, new perspectives from research and highly qualified service nearby.

Growth and Future Opportunities for Partners

We grow together with our partners and pass on our extensive knowledge in the field of IT security to our partners through training courses and seminars covering a wide range of different topics. genua's high-quality product portfolio is highly trusted in the market and opens up new sales opportunities for our sales partners. In the process, genua's experts provide support in initiating new contacts, designing solutions, demonstrating products and other presales activities.

The Holistic Ecosystem of genua



Further Developing Expertise with Research Partners

We cooperate with leading research institutions and companies, combine different skills and make the resulting innovations available to our customers.



Synergies with Technology Partners

To always be able to develop a customized solution for every requirement, genua works together with specialized technology partners whose solutions can be easily integrated into genua's system architecture in a manner fit for the future.



Specialized Service through genua Sales Partners

Together with our partners, we offer comprehensive and individual service packages – from a 24/7 hotline, the replacement of hardware within one day or remote maintenance of IT systems, and regular automated updates.

Longevity in a Dynamic Environment

Future-proof IT security concepts detect potential threats in advance and are always one step ahead of attackers. genua therefore operates its own “Research and Innovation” department. Together with universities and research institutions, we exchange expertise, share resources and work on solutions for fundamental problems in IT security. Against the backdrop of the dynamics of digitization, we thus develop solutions for secure work on the mobile Internet, design search engines for security vulnerabilities in industrial control systems, protect critical infrastructures with intelligent intrusion detection systems, and much more.

The longevity of IT security is based not only on research, but also on how well systems can scale and how easily new technologies that are unknown today can be integrated in the future. The use of open standards and constant exchange with development partners are key prerequisites for this.

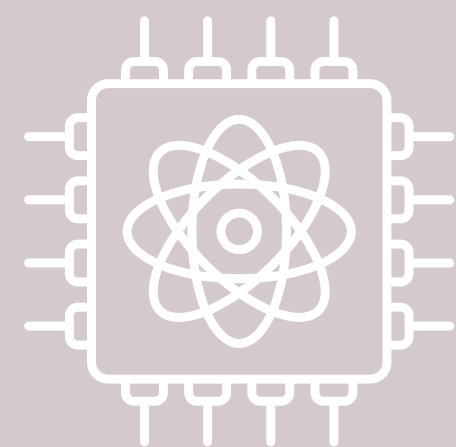
Last but not least, investments in the security of IT systems should pay off for customers by enabling the use of digital innovations that increase efficiency and thus be able to pay for themselves in the long term.

Future-Proof

“We are already working today on the challenges you will face tomorrow.”

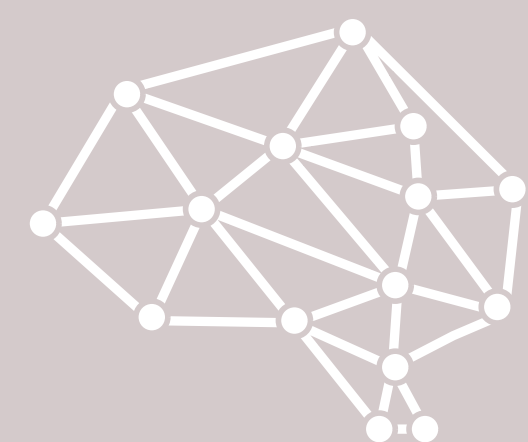
Arnold Krille
Head of Product Development cognitix

Research at genua



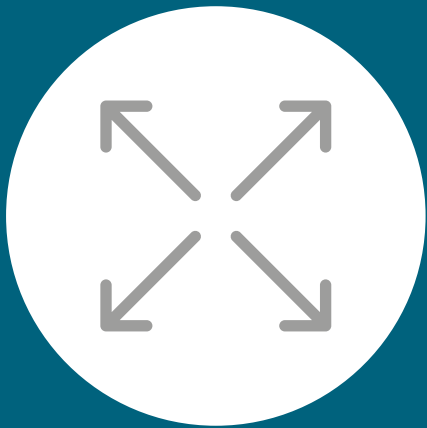
IT Security and Quantum Computing

Quantum computers can solve highly complex computational tasks extremely quickly and thus pose a new risk in the secure encryption of digital communication channels. Together with TU Darmstadt, genua has therefore developed the world’s first signature procedure for secure software updates that is resistant to quantum computer attacks.



“Wintermute” Research Project

Together with partners from business and science, genua is researching new IT security technologies for the improved monitoring and shielding of complex communication networks against cyber attacks. The project focuses on the AI-supported situation assessment for enforcing security and improving usability for network management.



Scalability of Digital Solutions

In a dynamic environment, IT security systems must constantly grow with new requirements and respond to experiences from the application. genua offers an easy introduction to IT security. Our solutions are designed so that they can be scaled quickly and at any time.



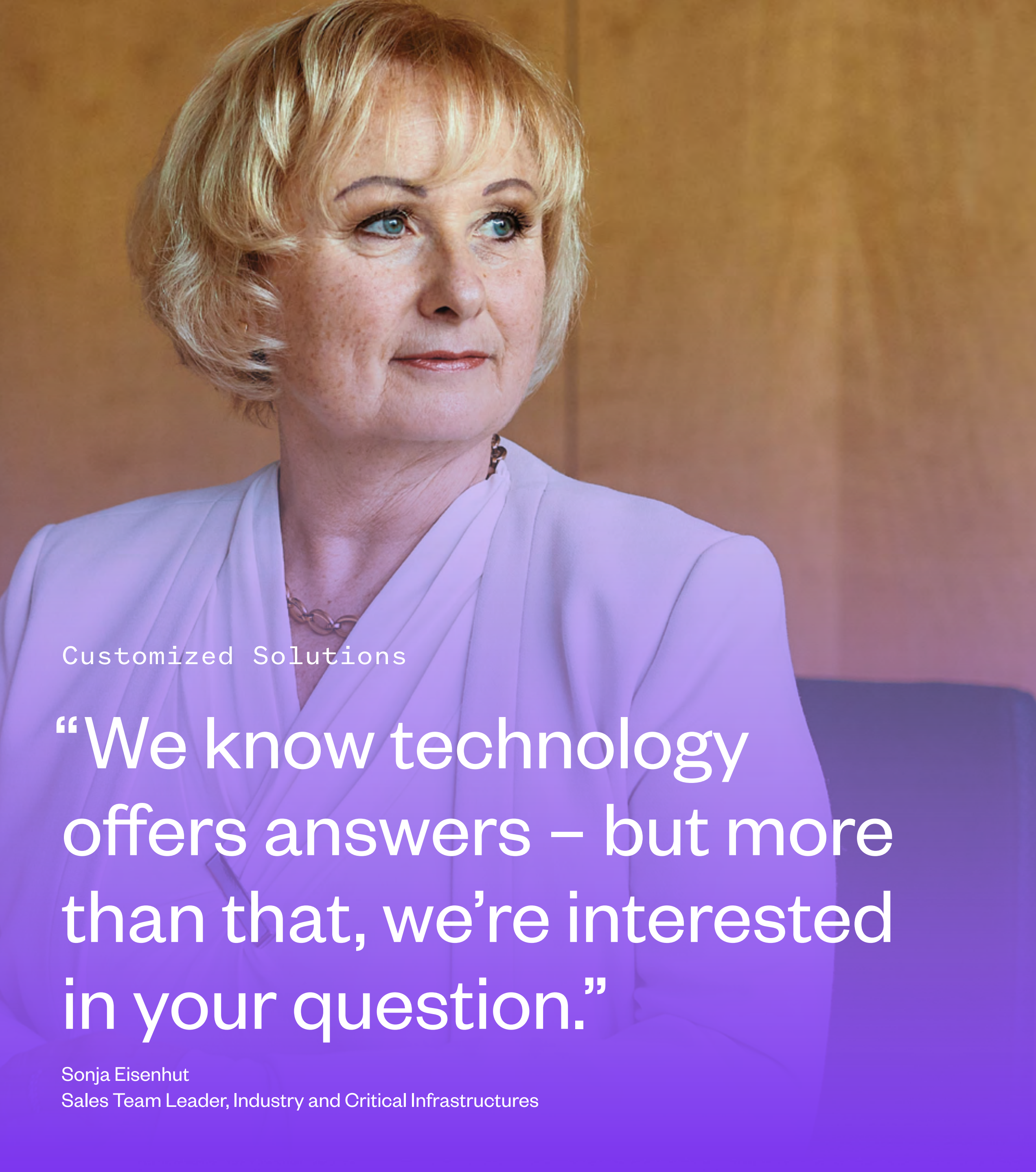
Verifiability through Open Technologies

genua consistently uses open source technologies whose standards are transparent and verifiable. Experts from genua have been working on the further development of these standards and operating systems in relevant open source projects for many years.



Investment Security and ROI

IT security solutions from genua are vital for digitized organizations. Highly user-friendly, they reduce operating costs and enable efficiency gains through the use of IIoT, automation and artificial intelligence.



Customized Solutions

“We know technology offers answers – but more than that, we’re interested in your question.”

Sonja Eisenhut
Sales Team Leader, Industry and Critical Infrastructures

Fields of Use and Competences



Critical Infrastructures
IT systems from genua protect sensitive facilities, such as those for water and energy supply, and thus the security of supply for the population. The certification and approval of our products by the BSI guarantee that they meet the highest requirements for the security of critical infrastructures.



Public Sector
The administration should become more agile, faster and bolder. The digitization of government services and public companies reduces bureaucracy and simplifies the lives of many people. genua ensures the security of these systems and protects the sensitive data of government, business, and citizens.



Industry
The networking of machines, products and companies forms the basis for new digital business models and increases the sustainability of entire industries. genua’s high level of technical expertise and reliable solutions enable the implementation of innovations with maximum security of data and trade secrets.



Protection of Classified Information
Particularly confidential information held at authorities, the armed forces and also in companies requires the highest security standards. genua has been familiar with the requirements of government agencies for over 30 years and, as a part of the Bundesdruckerei Group, is a strong security partner for government and business.

The IT Security Solutions from genua at a Glance



Firewalls & Gateways
The basis of IT security is a defense that provides maximum protection against external attacks. Our firewalls ensure the network security and safeguard digital infrastructures.



Remote Maintenance
We support organizations in the secure remote maintenance of production facilities and IT systems. In doing so, our solution complies with all BSI recommendations for secure remote maintenance in industry.



Mobile Work
We offer highly secure, mobile and flexible remote working tools that can be combined in all fields of use, such as “New Work” concepts, to form individual and needs-based solutions.



Cloud Enabler
Our security solutions ensure that data and applications in the cloud are as comprehensively protected as in a physical network.



VPN
Our VPN solutions are produced in Germany and operate with the strongest encryption algorithms. Furthermore, we offer solutions that are approved for use with restricted data.



Internal Network Security
As a supplement to perimeter protection, genua provides a second line of defense in the network. We enable a complete overview as well as intelligent attack detection and support zero-trust applications through micro-segmentation.



Diodes
Through one-way data communication, our data diodes make a decisive contribution to the comprehensive protection of networked control systems.



Central Management
With a user-friendly administration solution, our customers can keep an eye on the status of their IT security systems at all times and enforce rules quickly and consistently throughout the network.

Comprehensive Services and Expert Support for IT Security



Training Courses
In various training formats for our products, we show how these systems can be used and administered correctly.



Consulting
Our IT security consultants assess information security and support the implementation of security measures.



Services
Our service catalog includes security system management, update services, hardware support, and individual services for our customers.



What challenges
can we support
you with?



For more information
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