



PKI for IoT & OT. Securing Devices and Data.

Consulting and Expertise in Digital Identities, Certificate Management, and Industrial IT Security.

Securing IoT & OT

PKI is the trusted foundation of cybersecurity in connected environments — from sensors to machines. It guarantees the authenticity and integrity of digital identities, creating trust across all communications. As a mature and reliable technology, PKI not only secures our everyday digital lives but also protects the backbone of your business, critical infrastructure, and operational assets.

Your Risks without PKI

Insecure Communication: Without identities, data is transmitted unencrypted — making it easy for attackers to intercept or manipulate information in transit.

Missing Authentication: Without certificates, there's no trustworthy way to verify the identity of devices, users, or services. This opens the door to fake identities, device spoofing, and unauthorized commands — all of which can cause serious damage.

Missing Data Integrity: Without cryptographic signatures, there's no guarantee that data remains unaltered during transmission. Manipulations can occur unnoticed, leading to incorrect or even dangerous outcomes.

"Man-in-the-Middle" Attacks: Without certificates, attackers can intercept communications between devices and impersonate legitimate participants — effectively gaining control over trusted connections.

**Request a PKI cyber
risk assessment!**



Your PKI Solutions Partner

With years of research and hands-on industrial experience, DEVITY helps you tackle the toughest challenges in building secure, scalable PKI systems. Whether you're developing new infrastructures or modernizing existing ones, DEVITY is your trusted partner for customized PKI solutions and tailored security strategies. We understand the unique IT security requirements of operational technology (OT) environments and manage the entire lifecycle from analysis and system design to implementation and secure operation.

Our Services



Requirements & Risk Analysis

We evaluate your infrastructure to uncover risks and define the right encryption strategy for your organization.



Proof of Concept

DEVITY develops a pilot project and plans the rollout, including policies and standards for certificate management.



Custom PKI Implementation

Our expert team designs and implements a PKI infrastructure specifically tailored to meet your unique industrial requirements.



Managed Services & Support

With our managed PKI service, you can outsource certificate management and focus on your core business.

info@devity.eu | <https://devity.eu>

Technologiepark 6 | 33100 Paderborn | +49 5251 60-4424

Your Benefits



Reduced Operational Risk

By securing all communication channels, you effectively reduce potential security gaps and safeguard your systems against attacks.



Compliance

Our PKI solutions help you meet regulatory requirements such as IEC 62443 and NIS 2, keeping your industrial operations secure and fully compliant.



Trusted Data

Digital identities guarantee that data is authentic and untampered – providing a reliable foundation for secure automation and AI applications.



Holistic Approach

Being vendor-independent, we choose the technologies that fit your infrastructure and budget – ensuring the best solution without compromise.



The collaboration between DENIOS and DEVITY is always reliable, characterized by very high professional expertise and an agile, trust-based working relationship.



Udo Roth
Project Manager Digital Solutions, DENIOS SE

Why DEVITY?



IIoT Identity Specialist

DEVITY combines academic research with industry know-how, fully versed in the latest standards and real-world requirements.



Local Support

Personal support with a dedicated contact and a locally based development team certified to IEC 62443 and ISO 27001.



Tailored Solutions

No off-the-shelf PKI – we develop a custom concept that integrates seamlessly into your processes



Accelerated Implementation

Our proven automation tools significantly reduce deployment time, delivering faster time-to-security.

About DEVITY

DEVITY GmbH helps manufacturers and operators of industrial devices implement and manage digital identities. Our team of experts provides user-friendly managed services and on-premises solutions that enable automated identity management across the entire device lifecycle. We design tailored concepts that integrate seamlessly into your workflows (API-first, vendor-independent). Our core expertise spans Industrial 4.0, Energy, Smart Building, and the Public Sector.

Our Core Expertise Sectors



Industrial 4.0



Energy



Smart Building



Public Sector

