P3KI

trust yourself.

What sets us apart   P3KI offers a fully decentralized Public Key Infrastructure (PKI) capable of graceful degradation; scenario specific and arbitrary precision expression of access permissions, roles, and capabilities; highly flexible delegation; ability to operate entirely offline; complete independence from underlying transport and storage technologies; rapid bootstrapping in assembly-line scenarios; risk-management forward design and full audit capabilities.

We're able to model all scenarios currently handled by classic PKI with reduced overhead, vastly improved delegation handling, and actual decentralization and federation. Our software targets relevant platforms covering embedded systems, mobile platforms, and large scale server and cloud infrastructure.

By solving access control for all machine-to-machine communication scenarios we're enabling autonomous systems to make local decisions.

Company profile   P3KI GmbH was founded in 2014 by Felix 'FX' Lindner as a spin-off of Recurity Labs' research & development program. P3KI is the culmination of eight years of research into alternatives to existing PKI approaches, initially based on the automotive ISO 20828:2006 (Road vehicles – Security certificate management) standard.
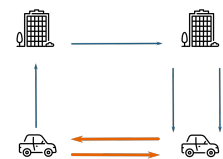
What we need   We are looking to take the next step by establishing cross-industry products based on our novel decentralized PKI technology. We're open to business partnerships and joint ventures as well as angel and series A investment.
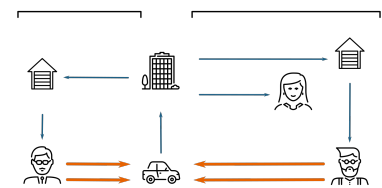
Business-case & partnership   Via a growing network of strategic partnerships complementing and augmenting our own capabilities with a strong network and additional specialists covering encrypted communications, IT security, product development, hardware design and manufacturing, as well as full-stack application development we can offer our clients a unique one-stop-shop experience for both development and integration of next generation communication security solutions into their products.

Our solution is available via OEM licensing or product development partnerships.

Example scenarios   Our whitepaper "Decentralized PKI Solutions – Automotive Industry Focus" – which is available at p3ki.com – highlights three common scenarios not limited to just automotive sectors but widely applicable to every other industry. The scenarios covered are:

- Cross-vendor **car-to-car communication** in the absence of internet connectivity.
- Secure and **trustworthy firmware updates** able to verify not just the update itself, but the entity performing the update.
- **Ownership handover** with perfect audit trail.
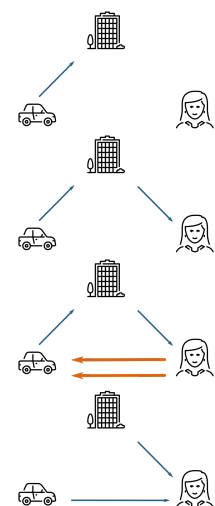
Interested?   Contact us at +49 711 22051252, +49 30 695399933, contact@p3ki.com, or via p3ki.com.