

Driving connected vehicle security forward

- Cryptographic security for critical automotive applications
- Flexible management of signature-components and certificates
- Proven automotive industry expertise



nCipher nShield HSMs enable Secunet's automotive industry solutions

SECURITY FOR THE AUTOMOTIVE INDUSTRY

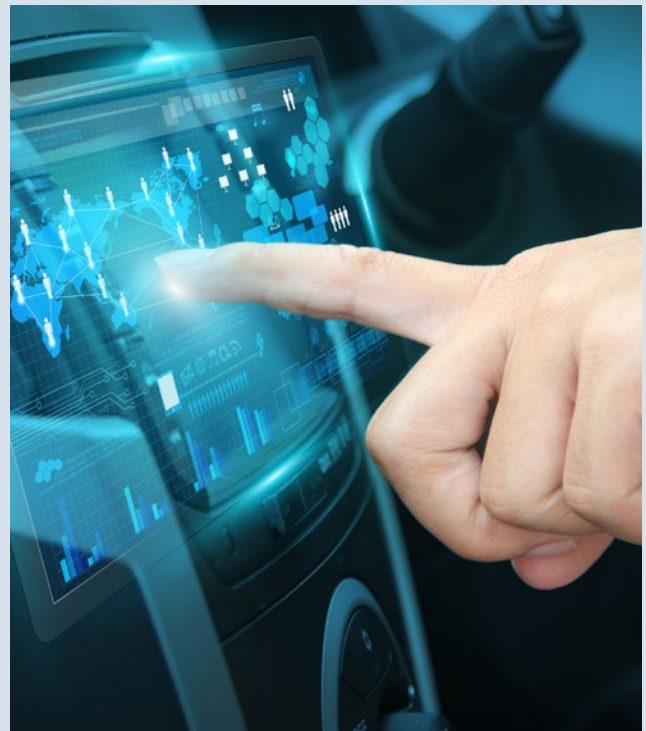
For years secunet's Automotive Division has empowered research and development in the automotive industry. secunet offers a broad spectrum of experience gained while collaborating on a vast range of projects used in mass production and pre-production. secunet supports OEMs and suppliers in developing and implementing innovative security solutions in such areas as onboard security, eMobility security and security for connected vehicles, as well as for research and pre-development areas.

SECUNET AND NCIPHER: AUTOMOTIVE PKI EXPERTISE

Using nCipher hardware security modules (HSMs), secunet has been established as an automotive industry partner in providing crypto backend systems for more than 15 years. These backend systems:

- Support code signing to protect ECUs against unauthorized manipulation
- Generate secret codes for software activation/protection
- Enable generation of digital certificates

The number of connected vehicle use cases that require cryptographic mechanisms is rapidly increasing. Some examples include vehicle-to-vehicle/ vehicle-to-infrastructure (V2X) communication, over the air software/firmware updates, and eMobility. This trend is driving the use of holistic security solutions using public key infrastructures (PKIs).



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SECUNET KEYCORE: PROVEN SECURITY FOR THE AUTOMOTIVE INDUSTRY

secunet's proven automotive industry solution, secunet KeyCore, incorporates the nCipher nShield Connect family to protect private keys and execute cryptographic functions. Today, nCipher HSMs are used in several automotive OEM projects.

HOW SECUNET SUPPORTS YOUR AUTOMOTIVE PKI PROJECT

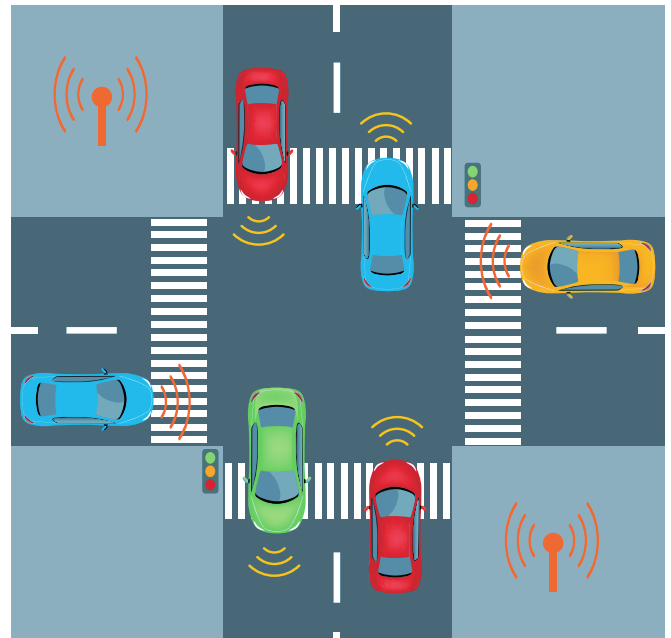
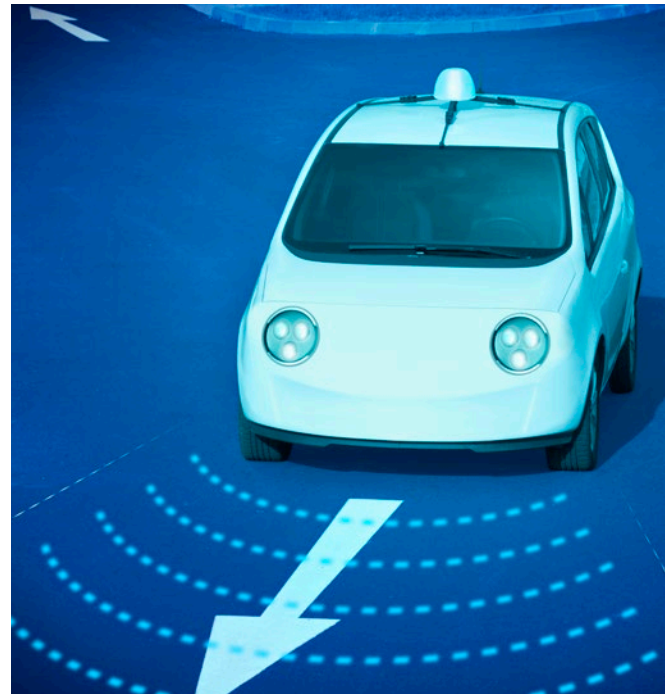
- Requirements management and analyses for PKI use cases
- Design and specification of relevant processes and roles
- Rapid customization and implementation of secunet KeyCore components in customers' infrastructure
- Integration and configuration of nCipher HSM nShield Connect product family

"nCipher nShield HSMs provide secunet the flexibility and security capabilities that our automotive customers demand. We have had a good experience with the nShield family which delivers the high performance and advanced security needed in the automotive industry."

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To learn more about how secunet and nCipher drive security in the automotive industry, visit secunet.com or www.ncipher.com



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