



**ENTRUST**



# Entrust nShield HSMs enable secunet's automotive industry solutions

Driving connected vehicle security forward

## HIGHLIGHTS

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

## Security for the automotive industry

For years secunet's automotive division has empowered research and development in the 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 Entrust: automotive PKI expertise

Using Entrust nShield® 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 engine control units (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).

