

Security Solutions for the Internet of Things



Who we can help

ESCRYPT is the leading system provider for embedded security world-wide. ESCRYPT offers protection for all kinds of embedded applications, corresponding infrastructure and organizational aspects. ESCRYPT provides its customers with solutions for all issues in IT-Security from one source. With its extensive experience in embedded security, ESCRYPT has unique and comprehensive expertise in many different branches.

- Smart Mobility
- Smart City
- Smart Industry

ESCRYPT develop security solutions that cover the entire embedded system, including all its components and interfaces to infrastructure. Moreover, customers are supported at every stage of the product lifecycle: starting with the design phase, continuing through development, production, and operation, right up to the system's end of life. This is the only way to guarantee full and thorough protection against attacks. And finally, we provide comprehensive advice and training to assist our customers as they integrate security processes and functions into their existing structures.

What we can do for you

ESCRYPT provides a complete range of security products, consulting services and solutions tailored to specific industries.

ESCRYPT assists you in all stages of your development process. We support you in understanding your actual security requirements to ensure a secure system at reasonable costs (most security designs come either at unnecessarily high cost and/or introduce a security weakness because of a tiny design flaw). We analyze your system in order to improve its security. We design your security system and implement it, both in the embedded device and in the back-end. In addition, we are happy to help you with risk assessments and security certifications such as FIPS 140-2, 140-3, and Common Criteria.

We strive to satisfy your individual requirements but never forget that security overhead must be kept at a minimum in terms of cost. We also make sure that security can be integrated into your existing processes without friction.



Providing Efficient IT-Security on Top Level

Product portfolio

CycurACCESS

Vehicle access and key sharing solution

CycurGUARD

Intrusion monitoring and analysis

CycurHSM

Software stack for hardware security modules

CycurIDS

Intrusion detection system

CycurKEYS

Key management system for embedded systems

CycurLIB

Cryptographic library for embedded systems

CycurTLS

(D)TLS implementation with a small resource footprint

CycurV2X

Secure V2X communication SDK for vehicles and road side infrastructure

CycurV2X-SCMS

Security credentials management system for V2X

Production Key Server

PKS – secure key provisioning for volume production

Consulting

ESCRYPT provides a variety of products suited to protect your devices and applications, to secure your back-end, and to protect your business model.

ESCRYPT's products are applicable to all industries with a need for embedded security.

All products are highly flexible and can be tailored to your specific requirements. Satisfying your individual needs is our primary value.

Smart mobility solutions:

- Multi-layered protection concepts
- Integration of hardware security modules
- Intrusion detection and prevention for vehicles
- Secure firmware updates (OTA)
- Secure V2X communications
- Secure feature activation
- Secure (remote) diagnosis

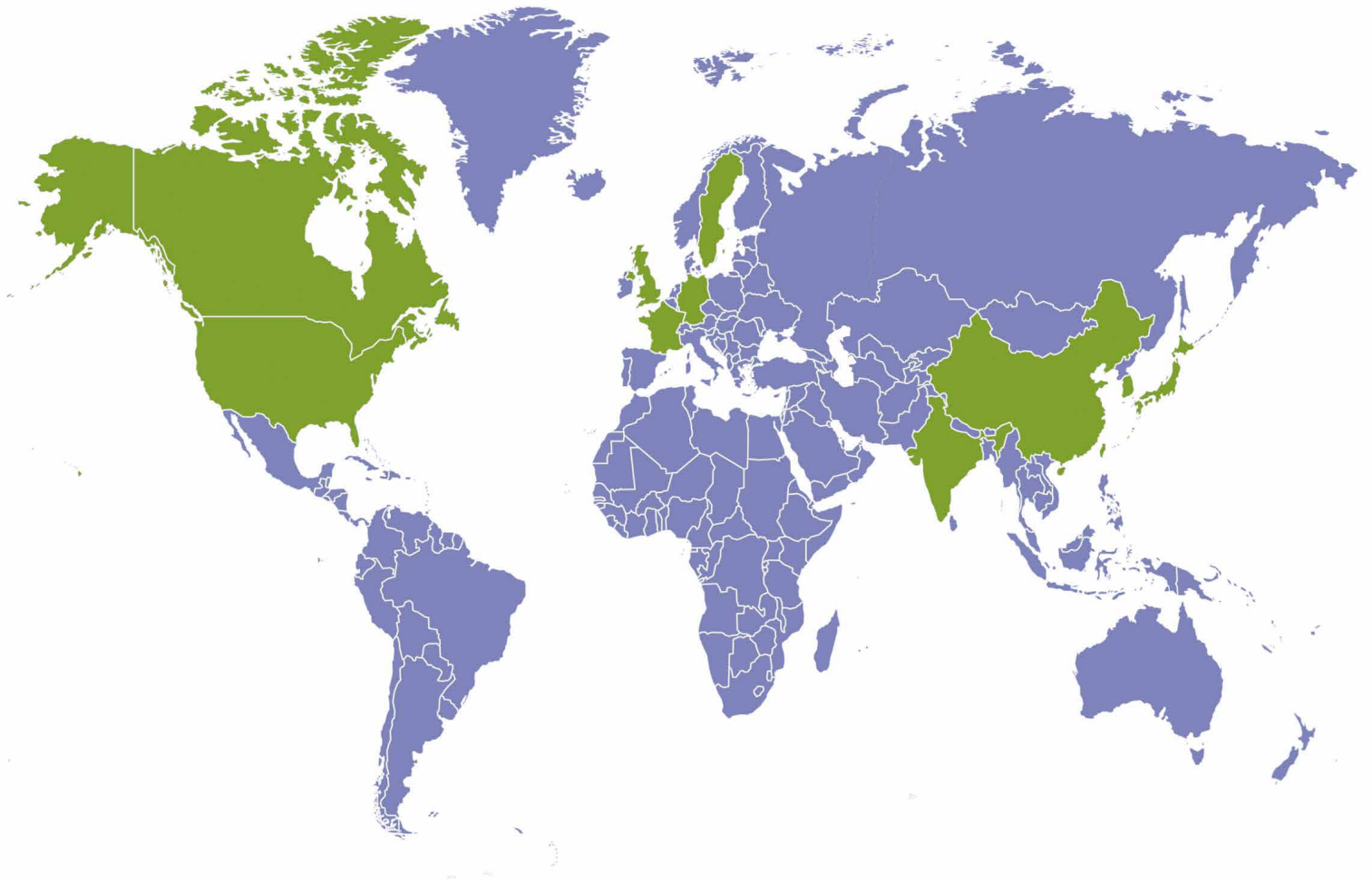
Smart city solutions:

- Secure LoRaWAN communications
- IoT device security and key management

ESCRYPT managed services include:

Managed service for embedded key and certificate management based on a high-available infrastructure in international data centers with different applications, such as embedded PKI, software signatures, key injection and software feature activation.

Service – Wherever it is Needed



Any questions?

Please contact us any time at info@escrypt.com or via phone.

www.escrypt.com