



PROFILE

Security of Communication in the Digital World

cv cryptovision gmbh was founded in 1999. It specializes in the development and implementation of security solutions involving advanced cryptography. Employing the whole gamut from the most progressive to the very conventional encryption technologies, cryptovision is proud to be the market leader to introduce cryptographic products based on elliptic curves (ECC).

cryptovision's products and services are structured into the following business segments:

"Device Security" deals with the security concepts for smartcards, other security tokens and embedded systems. Many known chip card producers rely on the innovative and authoritative security solutions from cryptovision. A focal point is the efficient and extremely secure implementation of cryptographic algorithms on smartcards (e.g., RSA, ECDSA). Crypto-libraries of cryptovision have been evaluated according to ITSEC ("E4/high") and Common Criteria (EAL5) and thereby assert the high technological standard of cryptovision's development. Regarding MRTD, cryptovision participated in the development of the Golden Reader Tool, assisted in the specification and development of prototypes of the German EAC, and delivered middleware.

The business area **"Communication Security"** deals with performant implementation of advanced encryption technologies into up-to-date software products and network infrastructures. Thus, products are delivered, that enable our customers to control legitimate access to their computers and provide highly secure email communication and web connections. The digital signature furnishes binding liability (non-repudiation for cryptographers) and legal certainty. The extreme levels of security are achieved by the consistent integration of smartcards and security tokens. Therefore, our products defend our customers against (all kinds of) espionage. In several investigations of the BSI (the German Federal Bureau for Security and Information) cryptovision was awarded for the excelling quality of its products.

The main focus of **"Professional Services"** is project consulting from theoretical analysis to software development, wherever the individual customer sets the priorities. The security solutions are tested and checked in our in-house laboratory. This enhances very customized solutions, that meet the requirements of up-to-date security and guarantees long-term maintenance of value.

By the close cooperation of cryptovision's R&D-department with leading universities and scientists, cryptovision will always integrate the latest developments and research results into innovative products and services.

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