

EVIDEN

GreenShield Enterprise

Automated end-to-end-protection for emails

cryptovision GreenShield Enterprise combines the proven GreenShield software with fully automated workflows and Certificate Lifecycle Management (CLM). This results in a holistic approach that ensures end-to-end security in email communication—without user hurdles and without additional administrative effort.

Value Proposition

GreenShield Enterprise combines end-to-end encryption at the level of government-approved solutions with automation and user-friendliness. It bridges the gap between maximum security and practical implementation by integrating closely with enterprise certificate management systems and enabling automatic provisioning, renewal, and recovery of keys.

Result: True security sovereignty—scalable, interoperable, and user-friendly—without disrupting existing infrastructures.

Use cases



Email and file encryption: Transparent protection of messages and files using S/MIME or OpenPGP—regardless of server location or cloud provider



Digital signatures: Personal accountability through binding signatures that ensure authenticity and non-repudiation



Automated access data roll-out: Certificates and keys are automatically distributed based on user roles or directory attributes



Seamless integration: Add-in architecture for Microsoft Outlook and HCL Notes, Explorer integration for Windows, and command line support for automated workflows



Hybrid & remote key management: Local, TPM-based, or HSM-hosted keys for flexible compliance models



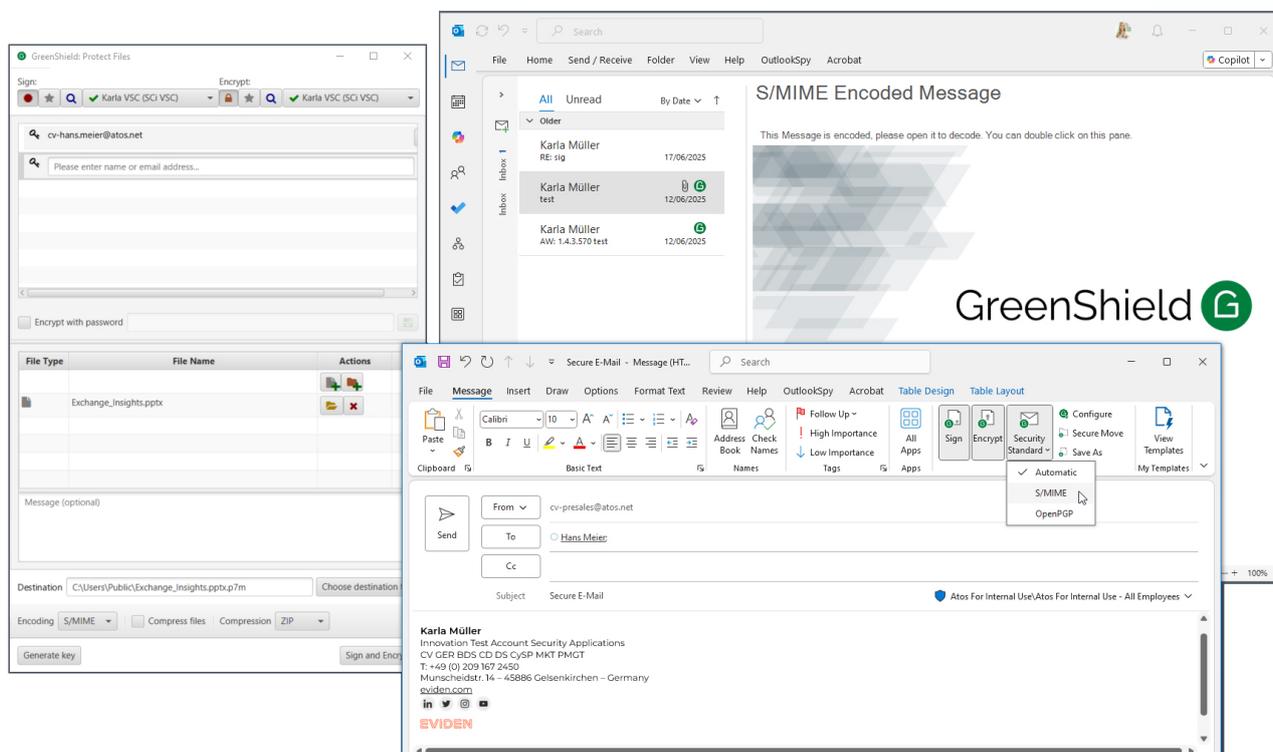
Interoperable trust models: Centralized PKI, decentralized OpenPGP “web of trust,” or both—depending on the ecosystem

Benefits for enterprises

- **Reduced operation complexity:** Automation eliminates manual certificate management and reduces help desk workload.
- **Improved compliance:** Complies with EU, NATO, and BSI requirements and supports internal and external communication guidelines.
- **High productivity:** Seamless user experience with minimal training required.
- **Sustainable investment:** Ready for post-quantum cryptography and compatible with existing PKI infrastructures.
- **Strengthened trust:** Digital signatures ensure integrity, authenticity, and traceability across entire communication chains.

Automated certificate management—the key to real scalability

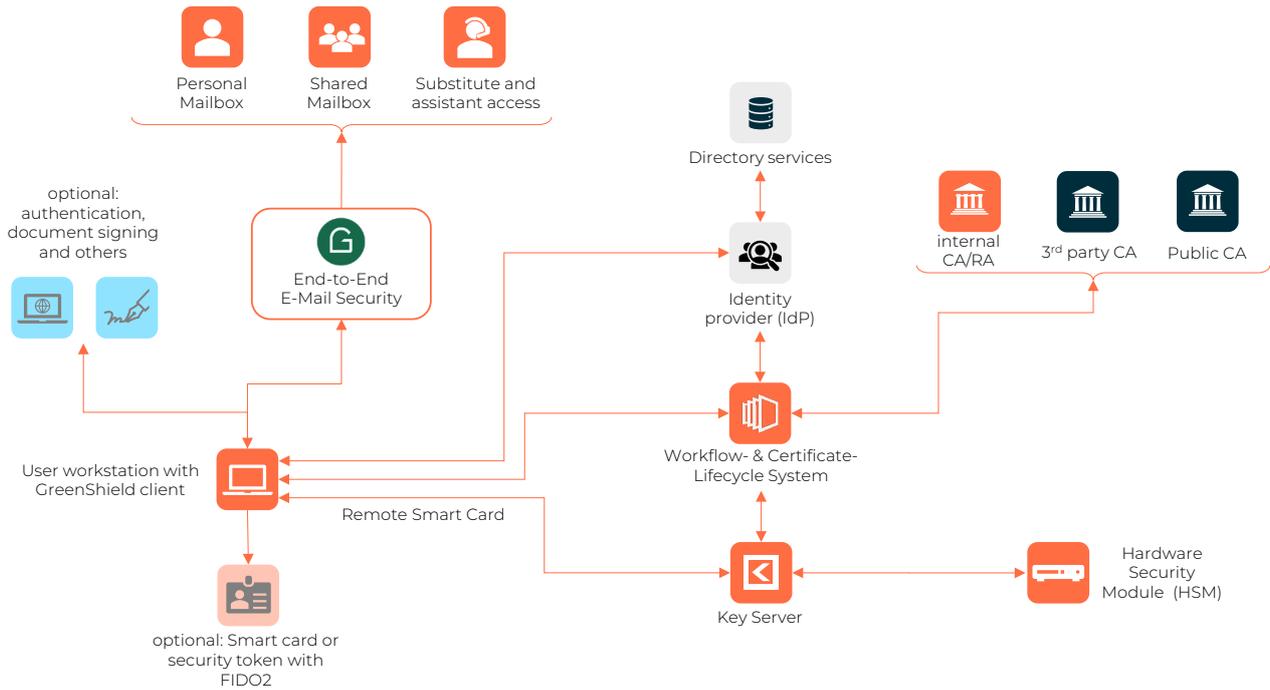
Certificates are automatically requested, distributed, renewed, and revoked—integrated into existing AD structures, CAs, and email systems. GreenShield Enterprise thus eliminates the main problem with traditional encryption solutions: manual certificate management. Issuance, renewal, and rollout are fully automated—security by default in every organization.



Why GreenShield Enterprise?

- **End-to-end protection for emails and files:** Confidentiality and authenticity from sender to recipient—regardless of mail server, transmission path, and storage medium.
- **Automation-capable:** Integrated Certificate Lifecycle Management (CLM) for zero-touch deployment and renewal.
- **Multi-standard support:** S/MIME and OpenPGP ensure full interoperability with partners and suppliers.
- **Compliance & regulation:** Meets requirements according to NIS2, ISO 27001, DORA, and industry-specific audits.
- **Future-proof security:** PQC-enabled cryptography and flexible key options (smart card, token, TPM, HSM).
- **Cross-platform scalability:** From 500 to 100,000 users – the same user-friendliness and security, seamlessly integrated into AD, Exchange, Outlook, or Notes—accessible without barriers.

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Cryptovision GreenShield Enterprise uses digital certificates provided by an internal or external certification authority (CA). The private key can be stored on a smart card, a security token, or a central server.

System requirements

User systems

Platforms:

- Microsoft Windows 11
- Microsoft Outlook 2021 / 2024 / 365
- HCL Notes 12/14

Formats:

- S/MIME Version 3.2 / 4 einschließlich ECC
- OpenPGP
- PKCS#11
- LDAP / OCSP / HTTP(S)

Backend

Platform:

- RedHat 8

Supported database:

- PostgreSQL

Find out more about us: www.cryptovision.com/greenshield