XC

Your central platform for certificate management

essendi it

Manage your certificates automatically and around the clock.

Your challenge

Since 2020, Trusted SSL / TLS / x.509 certificates may only be issued with a 12-month validity period due to increased compliance requirements. A **further reduction of the validity periods to 90 days** is on the horizon. The resulting recurring exchange of certificates results in **considerable effort**.

In addition, **the need for securing and encrypting data streams** is continuously increasing. At the same time, there are more and more **new areas of application**, e.g. cloud, containers, digital signatures, decentralised devices from the areas of digitally networked production (Industrie 4.0), Internet of Things (IoT) and embedded systems. This significantly increases the number of certificates to be managed. Certificate handling is also becoming technically more complex and costly.

Undetected expired certificates can lead to **system failures, endanger operational security** and have legal consequences.

The entire management process - from monitoring to applying for and renewing certificates to distributing them to the surrounding target systems - takes time (Gartner estimates the total time required to exchange certificates in complex systems at 5 h) and ties up valuable resources.

Therefore, certificate management is hardly manageable without tool support any more.

The solution

Manage your digital certificates with **essendi xc**.

As a **central process hub**, essendi xc covers the **entire lifecycle of all your certificates**. In one system you can centrally apply for your digital certificates, distribute them to target systems, monitor them and renew them.
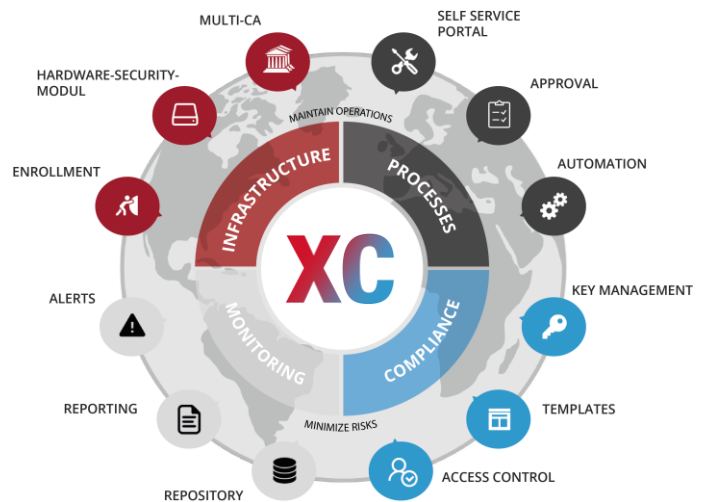
The fully developed standard set of configuration options, APIs, plug-ins and satellite systems in combination with a powerful process engine are the toolbox that we use to **integrate** the application precisely into the IT system environments of our customers. Here we use modern, marketable technologies such as REST, ACME, SCEP. essendi xc brings certificates directly to your server and target devices. Once set up, most processes run **automatically**.

In addition to automation, the use of essendi xc enables decentralisation of responsibilities. With the help of a **self-service portal**, processes can be simplified and decentralised. Thanks to the simple onboarding, users are ready to go in just a few steps and can independently request, change and revoke certificates around the clock. A **central overview** and the possibility of **central monitoring** is guaranteed at all times.

Would you like to learn more or get to know essendi xc in a demo? We will be happy to advise you.

EU contact   essendi it GmbH, Dolanallee 19, DE-74523 Schwäbisch Hall   +49 791 943 07 011   xc@essendi.de   xc.essendi.it
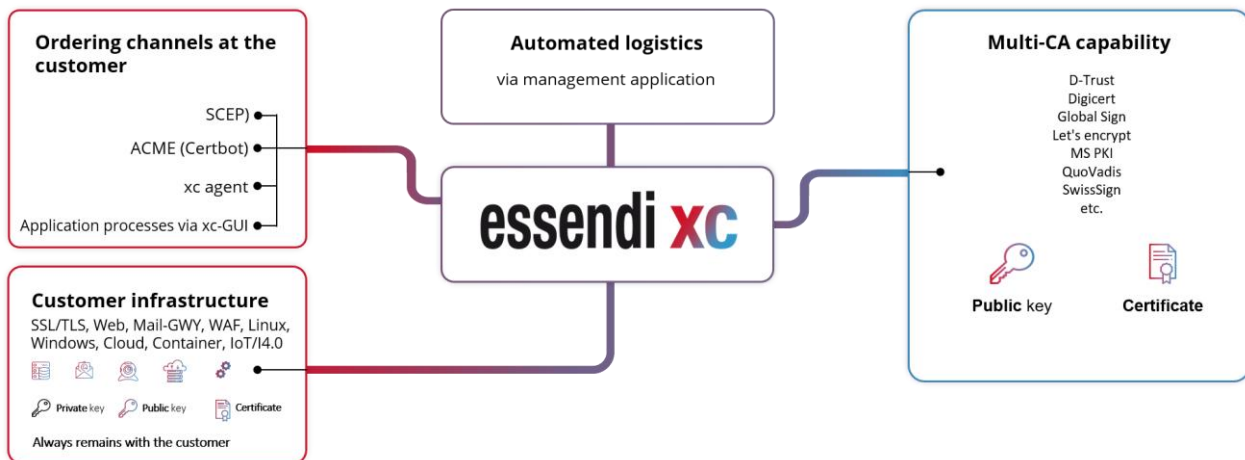
International contact   essendi it AG, Bahnhofplatz 1, CH-6460 Altdorf, UR   +41 41 874 27 30   xc@essendi.ch   xc.essendi.it

essendi xc map

Ordering channels at the customer

- SCEP)
- ACME (Certbot)
- xc agent
- Application processes via xc-GUI

Customer infrastructure
SSL/TLS, Web, Mail-GWY, WAF, Linux, Windows, Cloud, Container, IoT/I4.0

Private key · Public key · Certificate

Always remains with the customer

Automated logistics
via management application

essendi xc

Multi-CA capability

D-Trust
Digicert
Global Sign
Let's encrypt
MS PKI
QuoVadis
SwissSign
etc.

Public key · Certificate

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essendi xc makes your data centre more secure

Processes
Once set up, the processes run automatically. Simple onboarding, ready-to-go in just a few steps. Certificates can be issued and distributed automatically and around the clock.

Usability
Easy handling and use of the application
standardised and automated, little detailed knowledge of certificates required.

Crypto-Agility
Ability to act quickly, e.g. in the event of data changes to certificates or compromise of keys or CA (important with regard to ISO 27001).

Price / Performance
Fair subscription model or software purchase. In both cases regular releases, individual adaptations to company environments and requirements are available.

Significant savings in legal costs
Out of the box usage
Staff capacities for certificate handling PKI/infrastructure are freed up for other tasks or do not have to be built up.

Security
Increased security in IT operations through automation and automatic renewal of certificates, alert and monitoring prevent unplanned expiry of certificates and thus system failures. 100% software made in Germany. No data storage in the cloud. The private keys remain under your control.

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XC Added value

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essendi and the development processes of essendi xc are certified according to DIN ISO 27001.

Benefit from the variety of possibilities.

- **Unique combination of features combined in one entity. Ready to act 24/7.**
- Supports the complete certificate lifecycle.
- **Feedback and overviews of certificate inventory, expiry times and CRL monitoring.**
- Seamless integration into customer environments. Large number of interfaces and a high maturity degree regarding interfaces, adapters, connectors.
- **Multi-CA capable. Not dependent on a specific CA. Very high automation capability.**
- The processes, control mechanisms and automatisms in xc have been tried and tested for years.
- **Advanced ACME. A CertBot is not required. The application for OV and EV certificates can be omitted.**
- Flexible, modular platform that can be expanded and changed again and again.

Certificate-management from the very beginning.

- Cutting-edge topics such as post-quantum cryptography, IoT, shop floor security, etc.
- **Innovations and new insights from the market. essendi cd and the domain validator, for example, emerged from the needs of the market.**
- Data protection with a Europea view. xc is subject to constant further development according to new (regulatory) standards.
- **We are striving for a sustainable software that meets environmental standards and offers accessibility.**
- Network of PKI partners and universities provides new impetus for innovation and even more flexibility.

XC Redefining certificate management.

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