

Safe investment in the future

The test system has a modular architecture and can be easily extended.

Tooling modules for special domain-related purposes:

- **Certificate Verifier:**
THE core component – verifies digital electro-mechanical certificates for specification conformance
- **PAdES Verifier:**
Tests the electronic digital signature of PDF documents
- **XAdES Verifier:**
Verifies the signatures of XML documents
- **ASiC Verifier:**
Verifies electronic digital signatures in digital archives

Each module contains a series of domain-specific rules and regulations for relevant technical requirements specification documents.



Our benchmark is highest IT security

achelos consistently develops products and solutions in line with the „IT Security by Design“ approach. Customers benefit from specific know-how, as well as bundled, required areas of expertise along the entire process chain of planning, development, testing and implementation. With qualified expert knowledge and pronounced technology expertise in the fields of cryptography and security, we are highly motivated to make the digital future a little more secure every day.

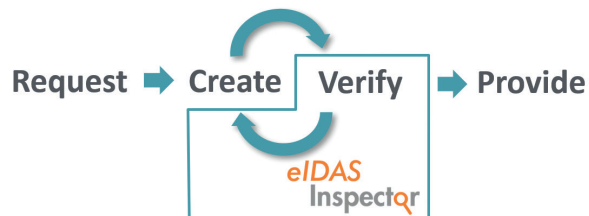
achelos offers products and solutions for

- Evaluators and certifiers
- Test houses for ISO 27001
- Trust centers
- Manufacturers of
 - security-critical application software
 - TLS stacks
 - IoT devices
 - chip cards
 - network components
- Service providers in the eIDAS environment
- Software houses
- System operators
- IT departments



eIDAS
Inspector





Highly flexible, modular and fully automatic

With the development of the eIDAS Inspector achelos response to the requirements according to the European Regulation (EU) No. 910/2014 (eIDAS Regulation). The product is designed for the European market and is aimed at:

- Trust Centers,
- Certification bodies and
- End users.

The test system serves for the verification of:

- Electronically signed digital certificates and seals,
- Electronic signatures,
- Time stamps and
- Other electronically signed documents, e.g. signed XML files (XAdES), signed PDF files (PAdES) or signed data containers (ASiC).

Complete test coverage comfortably solved

The eIDAS Inspector can be used to automatically verify and solve inspection and quality assurance tasks. The innovative test system validates on the basis of pre- and post-test defined specification requirements and plays an important role in returning the machine-readable test results via a REST interface. Trust Centers benefit from a recursive quality assurance process and clearly save time on identifying erroneous data.

For more security and quality

The test system is used as a supportive testing tool in certification processes, for the process-accompanying exit control (e.g. in Trust Centers) or for the purpose of the verification of digital authorization documents used by the end consumer.

The eIDAS Inspector strengthens the security of communication and quality of the data output by means of specific identities, and protects against the risk of business-critical reputation losses.

Our services

achelos offers a comprehensive expertise for development, testing and certification for the European eIDAS Regulation.

Advantages at a glance

- Highly configurable and user-friendly testing system
 - Batch processing
 - User-defined test requirements on the XML basis
- Supports the quality assurance process of a trust centers
- Supports established specifications for electronic signatures:
 - RFC 5280
 - CA/Browser Forum
 - eIDAS, PSD2
- Enables M2M communication through RESTful Interface
- Detailed test reports on the conformity of the tested guidelines
 - Fast and targeted error analysis
 - Output of Management Summary Reports
- Supports various input data:
 - Certificates
 - Seals
 - Electronic signatures
 - Time stamps
 - Electronically signed documents (XAdES, PAdES...)