



## TI Simulator

Secure start in the TI with a dedicated simulation environment

# TI Simulator

### TI and its challenges

The telematics infrastructure (TI) networks all stakeholders and institutions in the German health care system, making information available more quickly and easily. This is the most important prerequisite for the digitisation of the health market.

Prior to their successful use in TI, applications and new components require official approval from the gematik, Germany's national agency for the digitalisation of the healthcare system. By performing and documenting their own tests (so called EVT), manufacturers can provide evidence that their product complies with the approval requirements.

Various systems need to be combined to create a suitable simulation environment for both performing and documenting tests in-house (EVTs). These include terminals, connectors, and the reference environment. However, the requirements on the test environment are high:

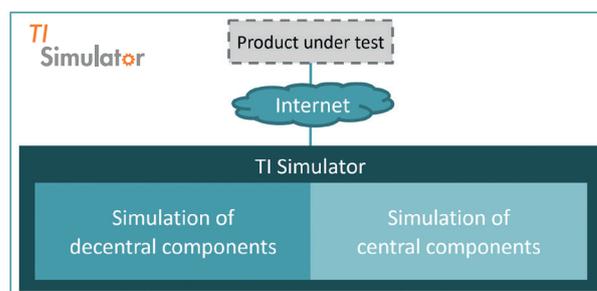
- **Individual test configuration** – Different products require different components in the simulation.
- **Testing for incorrect behaviour** – A key requirement of gematik, but their reference environment is limited to testing only standard cases.
- **Availability** – The reference environment is available to all users equally. Therefore, bottlenecks are inevitable.

### Independent and flexible

With the **TI Simulator**, achelos offers a complete simulation environment that can flexibly simulate both central and decentral components of the TI.

### Regulatory-compliant

The TI Simulator offers a wide range of options for manipulation, enabling you to reliably simulate and test faults in addition to the standard cases. The gematik specifications are therefore consistently met, so you can ensure optimum preparation of new products for use in the TI and also approval by gematik.





## Highlights

Guaranteed availability through dedicated instance	Fulfils all gematik requirements
Reliable simulation, including fault cases	Flexible to use
Complete solution from a single source	Based on extensively used, tried and tested technology

## A complete solution from a single source

The TI Simulator offers a homogeneous simulation environment that can be used to depict all the required systems and components in a uniform way. Customer-specific adjustments are also possible within the scope of the defined specifications. You receive a complete solution from a single source with just one central contact: achelos.

## Always available

Take advantage of the benefits offered by a hosted solution. Test your products flexibly in your own simulation environment - as often and as long as necessary for your individual product development and approval process preparations. This reduces the time required for reaching market maturity and gives you an edge over your competition.

## Reliable and proven

In addition to the TI Simulator, achelos offers individual test suites with a high degree of automation, detailed reporting, as well as audit-compliant documentation.

The versatile simulation environment, in combination with the achelos test suites, has already been successfully used in numerous customer projects for approval of TI services and components.

Using this reliable and proven tool suite, you can perform and document your own tests for new TI components and products securely, reliably and conveniently.

## An experienced partner at your side

achelos has many years of experience in consulting and development of TI products. As a security expert, we support manufacturers of digital e-health solutions and providers of specialist applications, such as digital healthcare or nursing care apps (DiGA, DiPA), in connecting and integrating their operations into the TI.

We also help our customers adapt to new security standards and with the introduction of federated identities. We support and assist our customers from planning through development and test management up to approval of the new solution.

achelos is certified according to ISO 9001, ISO 27001 and Common Criteria.

## For a secure and successful start into the world of TI!

