



IDSpecto.GWA

Simple and easy administration of smart metering systems – secure from the very beginning, interoperable and high-performance.

IDSpecto.GWA offers future-proof administration of smart metering systems as it has been demanded by German law (EnWG) since 2011. Thanks to a clear and structured process visualization, you are able to efficiently and reliably deal with the tasks of smart meter gateway administration in accordance with the current security standards published by the German Federal Office for Information Security (BSI).

The flexible concept of IDSpecto.GWA allows integration of different smart meter gateways (SMGWs): at present first-generation devices and in future all devices compatible with the above mentioned standards.

In detail

- Professional administration of smart metering systems
- High-performance cryptography in compliance with the BSI's technical guideline TR-03109 thanks to our partner MTG
- Secure communication with TLS
- Implementation of FNN operational processes for SMGW administration
- Support of electronic delivery note in accordance with FNN

Task-oriented user guidance

IDSpecto.GWA fully supports users when configuring SMGWs by means of guided processes. Communication, evaluation and meter profiles required for operation are configured via masks in which only details are requested that are necessary within the actual context. This guarantees that all parameters demanded by the tariff application cases of technical guideline TR-03109 are flawlessly entered. All processes to be dealt with by a user can be automated completely or partly by connecting subsystems to IDSpecto.GWA. Such a subsystem may be a workforce management or IDSpecto.HES.SMGW operated by an external market partner (EMP).

Efficiency by means of electronic delivery note

IDSpecto.GWA visualizes operational processes in accordance with TR-03109 that are relevant for the gateway administrator. Administrators are fully supported by the practice-oriented functionality of IDSpecto with regard to installation, commissioning, configuration and administration as well as monitoring and maintenance of smart meter gateways (SMGWs) they are responsible for. To give an example: not only SMGWs but also meters to be connected can be integrated into the system and commissioned afterwards by importing the FNN's delivery note including all available certification marks.

Automatic personalization

IDSpecto.GWA automatically personalizes a SMGW as required in the context of commissioning. As soon as the SMGW calls the gateway administrator via a TLS channel after on-site commissioning, particular active certificates are loaded. In addition, the time is automatically synchronized via NTP and an update of the device firmware is made if required.

Maximum assistance for your daily business

In standard operation, IDSpecto.GWA supervises smooth and trouble-free operation by evaluating logbooks and monitoring communication. The gateway administrator receives notifications in the form of incidents on the dashboard as soon as irregularities occur. Possible solutions of the problem are also proposed, such as, for example, sending authorized service technicians to the site.

Thanks to clearly structured topologies, gateway administrators are always able to retrace which profiles and certificates are active on the SMGW or which meters and external market partners have been allocated to it. Even a wake-up call can be initialized quickly to establish a connection to the gateway administrator or an external market participant.

The appropriate exchange of certificates stored in the SMGW is guaranteed by cyclic observation of run times and can be executed fully automatically.

All actions of the system, no matter whether they had been triggered automatically or by interaction of the user, are logged in the administration log in accordance with the technical guideline and are thus provided at any time – for example for audits.



SMGW configurations at a glance

Complete integration into existing infrastructure

The system role SMGW Admin uses the interface to IDSpecto.GWA to carry out all tasks regarding configuration and monitoring of standard operation of devices in the field. IDSpecto.HES.SMGW is connected via a standard for machine to machine interaction: RESTful web services. The manifold benefits of these services guarantee for secure communication between system components in compliance with ISO 27001.

Multitenancy

IDSpecto.GWA also considers services and thus allows any number of tenants even on cryptography level. You are always able to add further tenants at a later point in time. Data of individual tenants is strictly separated and securely stored for audit; non-discriminatory gateway administration is therewith guaranteed for all customers.

The system grows with the roll-out

Enter the world of smart metering systems already today at a reasonable price and extend the performance of your system in accordance with the demands placed by the roll-out later on. The clearly structured licensing model of IDSpecto.GWA and the fully scalable system provide complete control of costs and offer easy adaptation of the gateway administration to your individual requirements and needs.