

Advanced Metering Suite

Energy Control made easy

The econemon Advanced Metering Suite (AMS) is a software package that allows you to establish high-performance energy control quickly and easily. It is most suited for use in the following environments:

- At home – Smart Meters are becoming more and more common in households and will become standard in the future. Have your meter equipped by your supplier and keep an eye on your energy consumption with a professional tool.
- Businesses – Energy costs are a relevant and steadily growing part of your costs. The potentials for savings are often large but in order to implement them, much more transparency is necessary. In order not to incur new cost risks with energy controlling, consumption analysis, energy reduction measures and success control must be seamlessly integrated into your daily operations. That is only possible with first class tools.
- Energy services – For many service providers, e.g. suppliers, measuring facility operators, facility managers and engineering firms, growing interest in energy efficiency means that there are numerous opportunities to showcase your strengths. So it makes sense to concentrate your own resources on your own unique characteristics and to source functions that all market competitors require to the same degree from specialised suppliers. The Advanced Metering Suite is therefore a platform solution. It hardly ever needs adaption, but when it does, it is very easy to carry out.

Performance features

- Supports Smart Meter (DLMS/COSEM and MUC/SML)
- Supports varied fieldbuses (e.g. Modbus)
- Supports standard data submission protocols (HTTP, TCP/IP, e-mail)
- Supports standard formats (XML, CSV, ASCII)
- High performance data storage, optimized for short latency periods and high flow rates
- Supports all archiving JDBC-enabled databases (e.g. MySQL, Oracle, SQL Server)
- Flexible role and user administration
- Client libraries for Javascript and Flex/Actionscript
- Platform independent and modular thanks to industry standards such as Java and OSGi
- Fully controllable by network enabled API

Tailored service

We offer both a purchase and lease scheme for our Advanced Metering Suite, with flexible service

options. You can switch between different options according to your needs. You can of course also switch at any time between our purchase and lease schemes. Your data is then simply transferred.

Hosted AMS: our flexible lease scheme

We operate high performance servers in the data centres of an excellent host in Germany. If you opt for our lease scheme, you simply order the capacities you require and you can get started straight away. You pay monthly, you can adapt the capacities available at any time without any charges and you are not bound by any minimum contract.

All software updates and our standard support by e-mail and telephone are included; we carry out all maintenance. If you require we can reserve your own server for you or offer you further support services.

AMS on site: our fair full licence

If you prefer to operate the software on your own servers, our on-site licence is the right option for you. The prices of the various packages include 90 days installation support by e-mail and telephone, our Software Development Kit with source code and developer documentation, as well as a 30-day money back guarantee with no conditions, if you are not fully satisfied.

We offer our on-site clients various levels of update, support and maintenance services for attractive terms.

Functions

The Advanced Metering Suite covers the whole data chain, from the sensor right to the user. It is divided into the following functional areas:

Interface and protocol adapters

You can effortlessly integrate numerous different data sources: fieldbuses such as Modbus, smart metering protocols like DLMS/COSEM and MUC/SML as well as varied standard protocols and formats such as HTTP, TCP/IP, CSV and XML are supported in the standard version.

The adapters are implemented as plug-ins and are connected to the system through clear and extensively documented interfaces. For you, that means maximum flexibility and security: if you have additional needs for more specific formats and protocols, you can have new adapters easily added by us or third parties.

Application Server

AMS contains a Data Warehousing Module to save and analyse your data, which we have specifically developed for high-volume processing of many detailed time series. You benefit from the long experience of our team in processing measurement data, through specialised data structures and an efficient cache system.

Our specific directory service guarantees smooth, extensive and automatic data-routing and flexible, practical management of access rights. Whether you want to keep user groups carefully separated from each other, or release individual data rows - e.g. public weather data - for simultaneous use, you will appreciate the versatility of this module.

If your performance and reliability requirements increase, our software's additional strength comes into play: both the design of the software as well as the licence model make it easy for you to connect additional server capacity if the need arises. We allow for scale-out right from the word go and help you to fulfil the expectations that your users have from a modern network software package.

Operating platform

Our web-based user interfaces which we deliver with the product are user-friendly, while offering professional users ample performance and functions. We have experienced that energy controlling is particularly successful when stake-holders from various disciplines and with varied working practices use a common platform.

Our application modules enable you to benefit from our long experience in energy consulting for businesses. But no software is perfect, each user is an individual and the requirements of use change over time. That's why we've looked ahead: we offer numerous entry points for the development and adaptation of our software. Alongside the freely modifiable "Look & Feel" module, you can add and remove modules or place new extended applications on the same solid basis. This makes it possible for us to fulfil specific wishes and it offers you maximum flexibility and security.

From our own experience we know that such vital data as energy consumption is rarely needed just by one application. A contemporary system therefore must be able to function in extensive integration designs. Regardless of the technology used, the full extent of the functions of the API included in our AMS are usable in other applications.