



KONsys is an International company, sole developer of the **AVReporter Energy Management Software Family** with references like **VELUX** (18 factory), **SKANSKA** (office complexes), **E.ON** (utility company), **TESCO** (260 grocery stores).

The company is located in the North-West of Hungary, in a city called Győr, with a population of 130,000 it is one of the biggest cities in Hungary and an important cultural centre.

Győr is also the home of **AUDI** in Hungary, key location for engine production and car manufacturing (*laid out in 5,167,366 square metres, employing 11,631 people and producing 1,926,638 engines, 122,975 automobiles a year*). The city also hosted the **European Youth Olympic Festival 2017** . Both establishments are using AVReporter for their energy management.

Typical end-users are industrial production plants, building complexes and utilities.



- Established in 2004 as System Integrator Specialist in Industrial Automation KONSys quickly reacted to the fast-growing market demands from its clients and in 2006 they launched AVReporter (Added Value Reporter) Energy Management Software.
- The company employs **expertise from various fields** (electrical engineers, software programmers & developers, automation specialists, electricians, business development and marketing staff) taking advantage of an outstanding and highly system based (hardware+ Software) knowledgebase when developing and marketing its products.
- **KONSys's System Integrator and IT Partners:** South-East Asia, India, Iran, Australia, New-Zealand, South America, USA, Canada, the EU and Russia.
- KONSys International is well-connected to energy advisers, energy managers, system integrators (acting as re-sellers), electrical engineers and also energy associations globally.
- They are often invited as speakers at many trade **events and conferences**.
- Their product is unique especially for the production industry as **individual requirements** can be delivered promptly





MASOUTIS AB Supermarkets – is a supermarket chain in Greece. Its headquarters are located in Thessaloniki. The company was established in 1976 by Diamantis Masoutis. It is a growing project 50 stores (3 devices/store)
<http://www.masoutis.gr/>

Thrace Plastic: engages in the production and trading of PE/PP packaging solutions, possessing this way a powerful position in the Greek market while constantly developing a solid sales network abroad.
<http://www.thracegroup.com/es/en/companies/thrace-plastics/>

Tupperware: Tupperware Hellas is a subsidiary company located in **Greece** of the world-wide producer of Polyethylene-based kitchenware and food containers, established in 1946. <https://www.tupperware.gr/index>
(please note, this is red-label- not to publish)





... because they want to

- **cut down consumption-** „The energy consumption has dropped by a 30% on average. This was achieved by monitoring the energy consumption of the production process (per production line) and optimizing losses and factory management. **(Audi)**
- **save costs-** „The overall running costs decreased by 13% by the deployment of the energy management system and green technologies, this also allowed us to cut down on human resources.” **(ABB, SKANSKA – Greenhouse)**
- **save time-** „Because the energy accounts and reports are generated automatically the administration costs and time reduced significantly.” **(EGIS Pharmaceutical)**
- **be safe-** „AVReporter energy management was a powerful aid to increase our energy efficiency, but it also contributed towards the safety of the production process.” **(Gallicoop- poultry producer)**
- **take it easy-** „The AVReporter application helps staff to complete their energy accounts accurately and easily. This made the integration of the system into the already existing one flawless.” **(VELUX)**
- **get it quickly-** „The AVReporter application contains many built-in reports and device drivers already, making the system building process a lot faster and less frustrating.” **(Hexeis, System Integrator)**

AVReporter Energy Management Solution



The screenshot displays the AVReporter Energy Management Solution interface, which includes several key components:

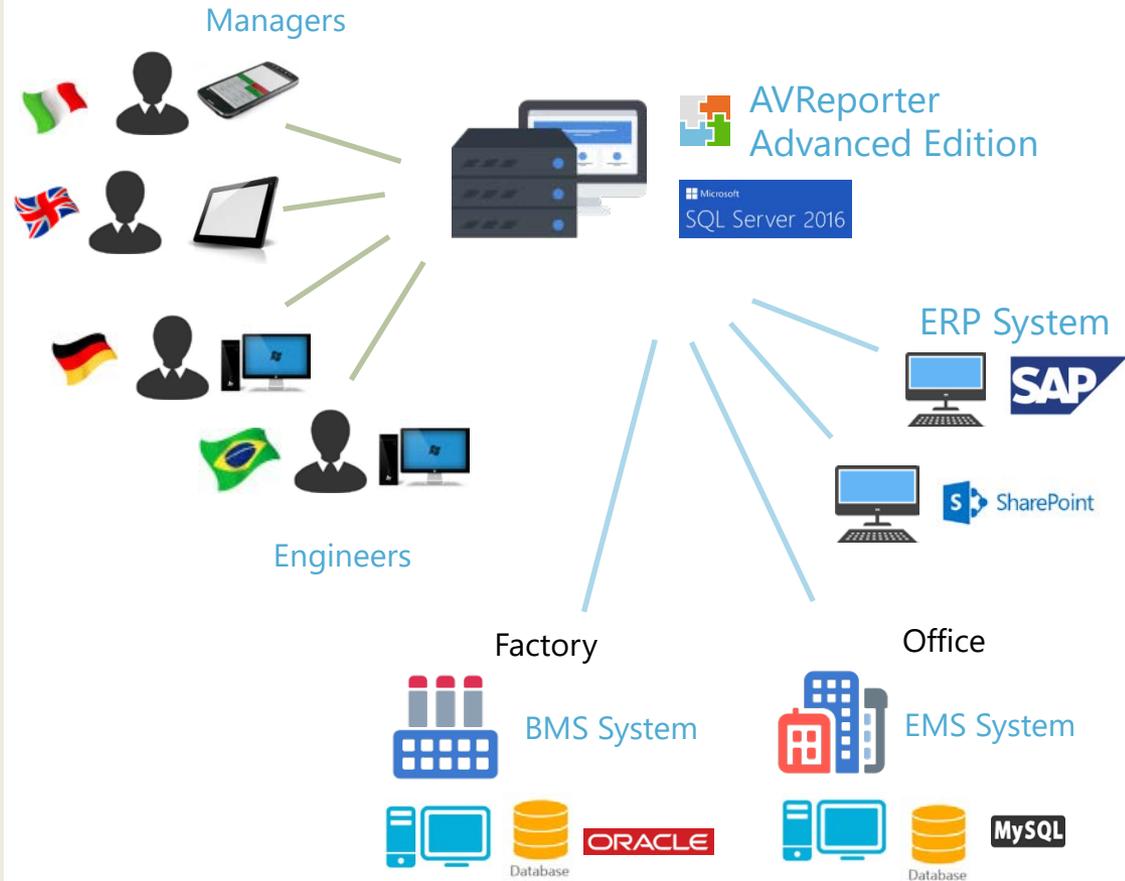
- Regression Diagram:** A line graph showing data points and a fitted regression line over time.
- Desktop Manager for AVReporter:** A central hub for managing reports and settings.
- BI Report [Demand Power Dashboard.biq - PowerDashboard]:** A dashboard titled "Summary Demand Power" showing production line mean power (e.g., 234.6 kWtH, 267.3 kWtH, 124.8 kWtH) and a pie chart for total PMSkWhW (2891.42).
- Expression Group:** A configuration window for reports, including style settings (e.g., "SumDashboard.rdlc"), export options, and a list of expressions like "ElectricalConsumptionPer..." and "GasConsumptionPerProd...".
- AVReporter WEBPublisher v3.0:** The main web interface showing an "Electrical Energy Usage" dashboard with a gauge chart (410.2 kWh) and an "Energy Efficiency Chart" (A-G scale).
- Electrical Consumption KPI Chart (kWh):** A detailed chart showing consumption trends over time, with a legend for "CUSUM value (kWtH)" and data points like 8.61, 21.34, and 38.04.
- Report Creation and System Administration:** Sections for creating new reports (e.g., "Energy and Cost allocation Dashboard") and system management tools like "Virtual Value Calculation" and "Web Access Configuration".



AVReporter Integration: Connect to external data sources

The AVReporter application's AVR Connection Center module ensures the **easy connection to external data sources**, allowing users to get data from for example SAP systems (produced items, cost allocation data, sub-metering, sub-billing etc.). In the case of integrating external systems into one, **all data can be accessed via the surface of AVReporter.**

Connecting them all into AVR and visualise all data on its surface, takes out the need to switch between systems each time, reducing administration procedures and possible confusion, excel sourcing, aiding the comfort of the user, as well.



Partners, References



Thank You!