



KON
sys

AV Reporter

Consistency in Managing Energy

**Predict
Energy
usage**

**Save up to
30% Energy
a Year**

**Obey
legislation**

**Reduce carbon
emission and
running cost**



**References
& Partners:**

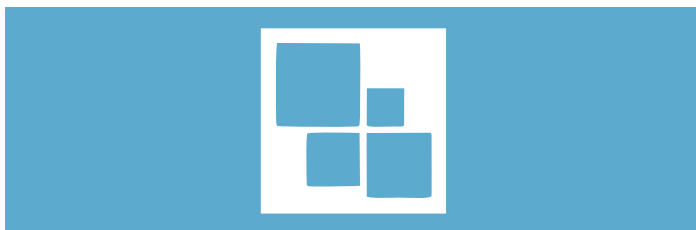


www.konsys-international.com



Why do Successful Companies use AVReporter?

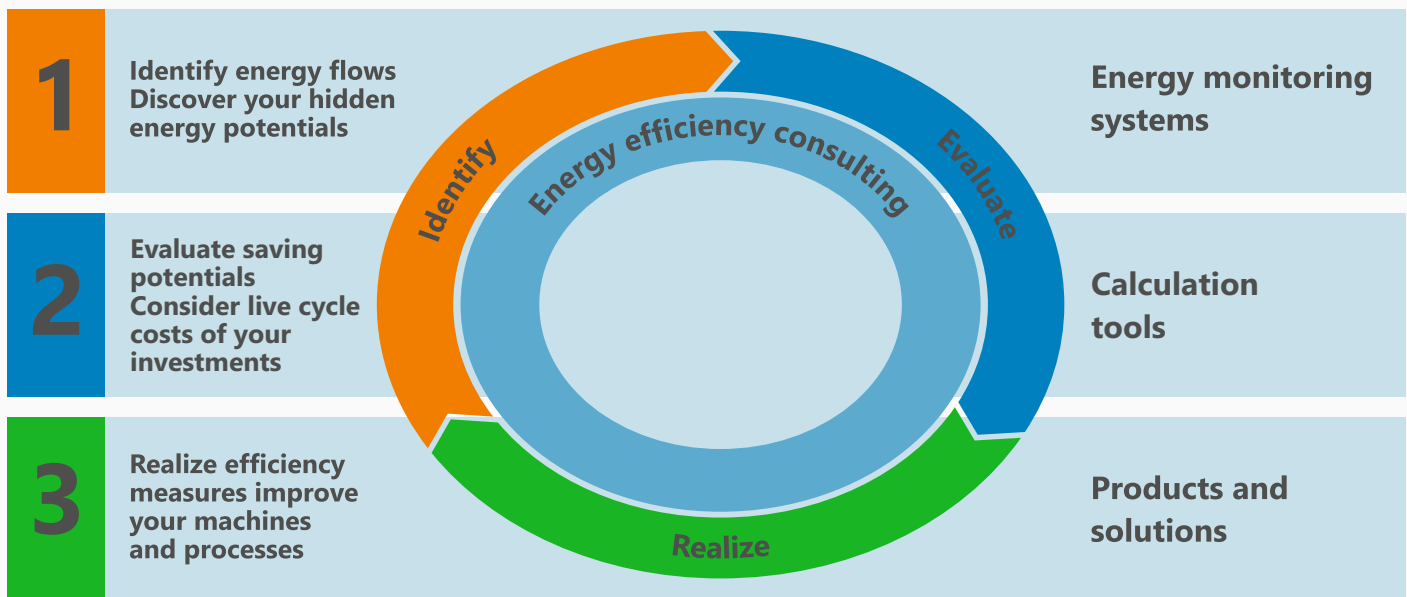
... because they want to



- Save significantly on their **Energy Bill** (up to 30%)
- Reduce carbon footprint, **CO2**
- Achieve and maintain **consistency** in managing Energy
- Monitor and calculate applied **green energy** performance
- **Analyse** Energy expenditure against production
- Visualise **Key Performance Indicator** processes
- Have the most suitable **solution off-the-shelf** on short ROI period

AVReporter is Energy management software serving production companies, building complexes, logistic centers and shopping malls.

Energy management - Continuous improvement of energy efficiency



AVReporter Energy Management Software Overview

AVReporter energy management and monitoring software is a tool that can be used day to day by management and engineers alike.



FLOWLESS DATA HANDLING

AVReporter Energy Management Software easily enables the handling of large quantities of data from a variety of otherwise stand-alone sources.



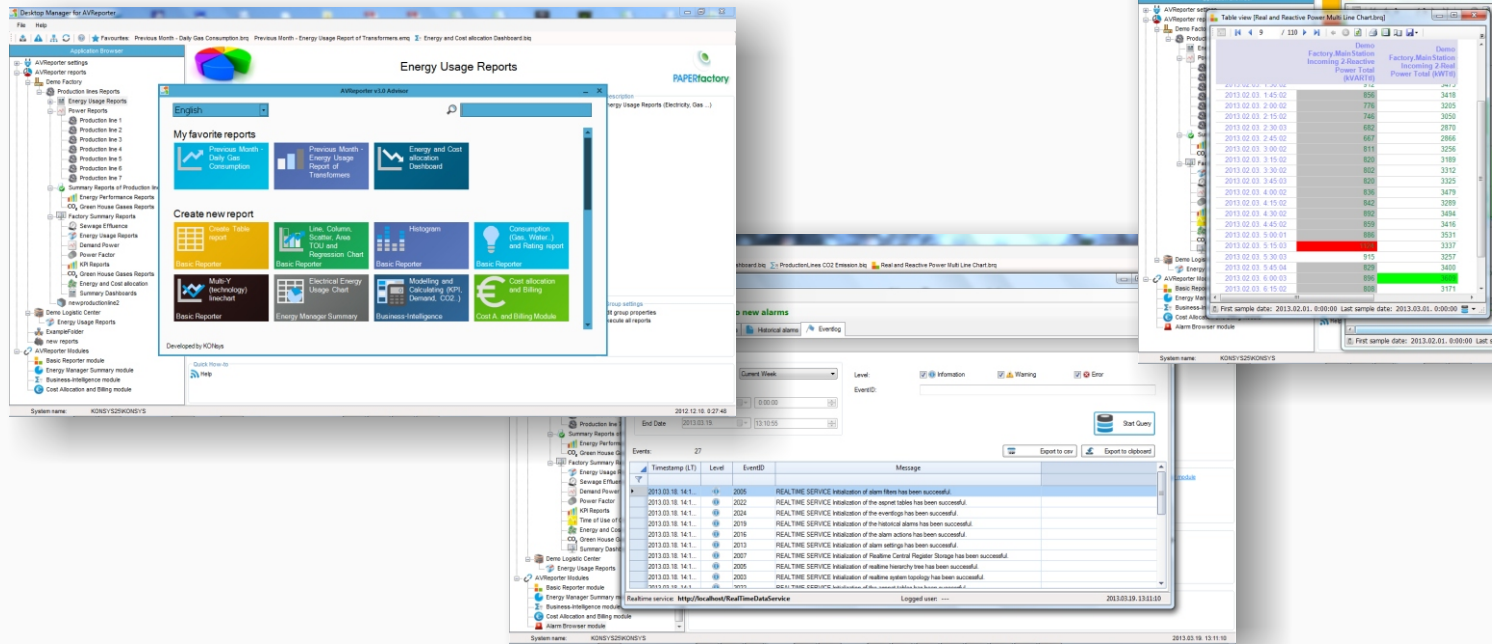
PRACTICAL ANALYTICS

It is provided with a comprehensive set of data analysis tools and formatting options to allow the user to create just the right view and summary of their data easily.



SUITABLE REPORTING

AVReporter is a great solution for an installation or application of any size that requires a flexible and easy to apply energy management reporting system creating easy to understand reports for management and engineers.



Features of AVReporter and typical applications

Easy to adopt:

User friendly interface with guided help and online Knowledge Base support.

Localised:

On the fly multi-language support with nine embedded languages and additional language packs available on request.

Fast:

High performance modular structure, scalable system (fast operation, efficient application of resources), real time function.

Alarming and Monitoring:

Sophisticated alarm systems are guarding efficiency, prevention programmes and security.

Cost-Production:

Provides energy reports by product or shift as may be required to track utility costs against production or crew productivity. Your specific KPI's can easily be configured using the tools embedded in AVReporter.

Multi-site supported:

Facilitates the creation of billing and cost allocation summaries for multi-tenanted facilities or multi-departmental operations

Quick report building:

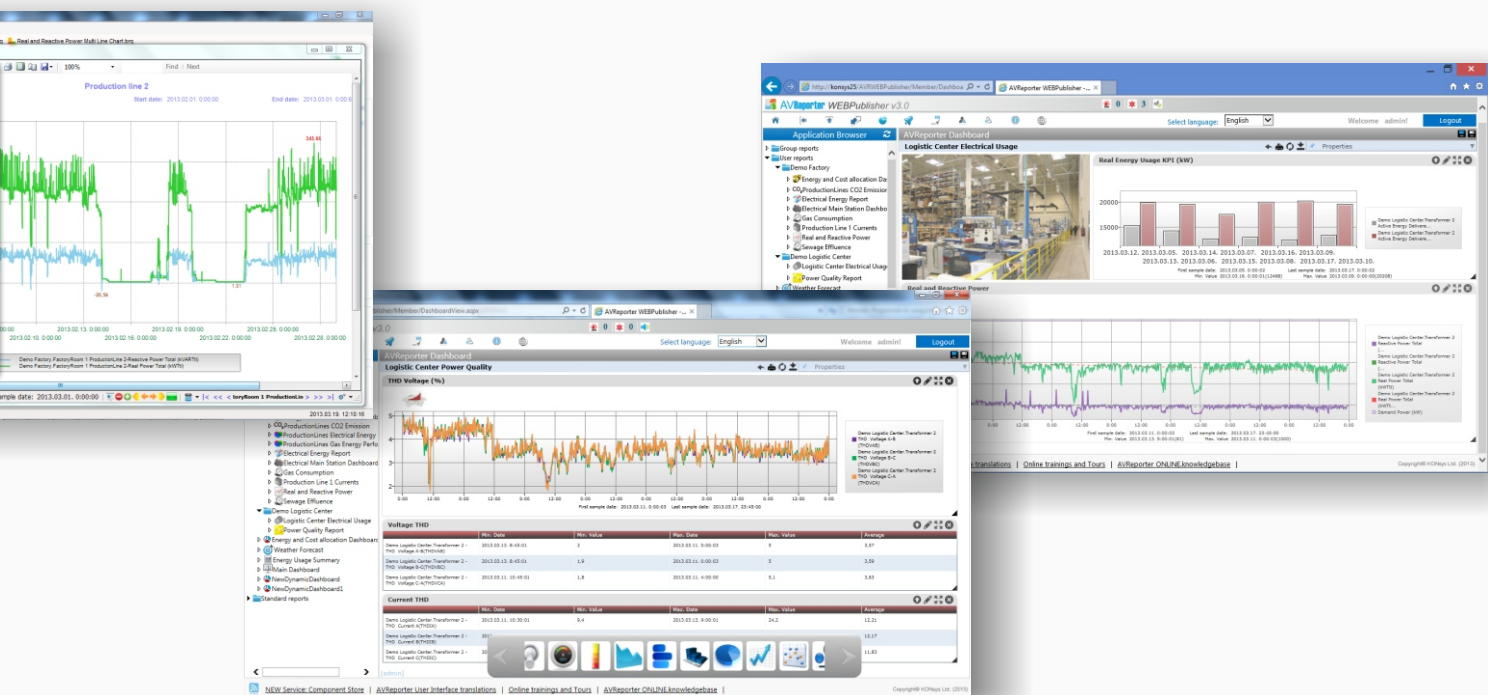
WEBPublisher Dynamic Dashboard interface has also been improved with Microsoft's new Silverlight technology, which enables the user to make presentable reports quicker and easier.

Individually suited:

While AVReporter provides a comprehensive suite of energy management reporting tools, it has also been designed to remain flexible. Custom add-on modules can be provided that would simply „plug“ into the base application.

Mobile:

Accessible on mobile applications e.g., tablet PC, Smart phones (android).



All-in-One hand

Provides reporting for all utilities in one platform (electric, gas, steam, water, sewage, etc.).

Reports:

AVReporter currently provides reporting using,

- o Trends, Charts, Tables and Histograms.
- o X-Y Scatter Plots
- o Green House Gas
- o Energy Ratings using ABC charting
- o Energy Cost Billing
- o Energy Use Allocation
- o Energy by Shift
- o Energy by Threshold Limits
- o Custom Reports

Integration:

AVReporter currently integrates with,

- o data concentrator devices directly
- o commercial metering systems
- o commercial HVAC control system
- o SCADA systems
- o DCS systems
- o ERP systems
- o 3rd party systems

Communication:

AVReporter has also been designed for direct communication with field devices,

- o Gas and Water Meters
- o Revenue Meters
- o Logging Power Meters
- o PLC's

Security:

Comprehensive Multi-User and Security Access Level Management, whereby each user has a login name and password, providing access to specific menus and features. Users can be limited to individual buildings, departments or organizational levels.

International:

AVReporter can be installed using a Server-Client solution and/or a web based solution; this combination is used to meet the specific requirements for access to individual sites for International or Multi-site applications.

AVReporter Main Features

Consistency in Managing Energy

AVReporter v3.0	
Supported Languages and Localization	
Number of available language packages	9
Incorporate branding strategy (logo, colour scheme, etc.)	III SUPPORTED
Language package modification or/and add new language by system integrator (full system)	III SUPPORTED
Cost and billing function in different currencies	III SUPPORTED
Online software registration, update and support	
More installation packages (from low cost system to multisite application)	III SUPPORTED
Improved expandable software registration functions	III SUPPORTED
Upgrade and download extension module on website (Application and Component Store)	III SUPPORTED
Online language package upgrade	III SUPPORTED
Connectivity to data sources	
Connecting to Modbus devices	III SUPPORTED
Connecting to OPC server	III SUPPORTED
Calculation with Real-time data	III SUPPORTED
Meter device and system simulation	III SUPPORTED
Connectivity to different data sources (Oracle, My SQL, Web services, etc.)	III SUPPORTED
Database calculation with historic data (Pre-calculation with source data)	III SUPPORTED
Comprehensive data integration functions into the corporate and production management system	III SUPPORTED
Modelling and forecasting calculation from historical data (regression analysis, demand calculation, etc.)	III SUPPORTED
Visualization of Real-time data and control functions	
Visualization of Real-time data (desktop, web)	III SUPPORTED
Control function in desktop environment	III SUPPORTED
Control via web environment	III SUPPORTED
Control via mobile tool (Android, WP 7 & 8)	III SUPPORTED
Creating and editing real-time surfaces via Web	III SUPPORTED
Alarm functions	
Simple alarm handling functions (e-mail, alarm table)	III SUPPORTED
Improved alarm system in desktop environment	III SUPPORTED
Improved alarm system in web based environment	III SUPPORTED
Improved alarm system in mobile environment (Android, WP7 & 8)	III SUPPORTED
Reporting and Dashboard functions	
Simple report creation (desktop and web)	III SUPPORTED
Simple dashboard creating by gadgets	III SUPPORTED
Complex report creating function used by wizards (desktop and web)	III SUPPORTED
Complex dashboard creating functions (interactive user interface)	III SUPPORTED
Integrated data visualization on one surface (real-time and historic dashboard - desktop and web)	III SUPPORTED
Creating individual reports by programming	III SUPPORTED
Creating individual reports by embedded report editor (use complex calculation from data source)	III SUPPORTED
Database management and access permission	
Multi-User and Security Access Level Management (Desktop and Web)	III SUPPORTED
Multi-User and Security Access Level Management (Mobile devices - Android, WP7 & 8)	III SUPPORTED
Database Security Access Level Management (Users can be limited to individual buildings or organizational levels, etc.)	III SUPPORTED
Supporting TeamWorking (comprehensive project management)	III SUPPORTED
Support of different databases (MySQL, Oracle, etc.)	III SUPPORTED
Creating multisite applications (possibility of integrating more databases)	III SUPPORTED
Accessibility/ Mobility	
Supported several Internet browsers	IE, Firefox, Google, Safari, Opera
Tablet Client (Android)	III YES
Windows 8 Tablet PC touch screen tools	AVReporter Advisor
Supported access via mobile devices (mobile client)	Android, WP7&8

Building Up your own AVReporter Energy Management Software

AVReporter Energy Management Software has been designed to meet most individual needs, demands. The modular structure supports the integration of the easy to choose software components serving the end-user's specific requests.

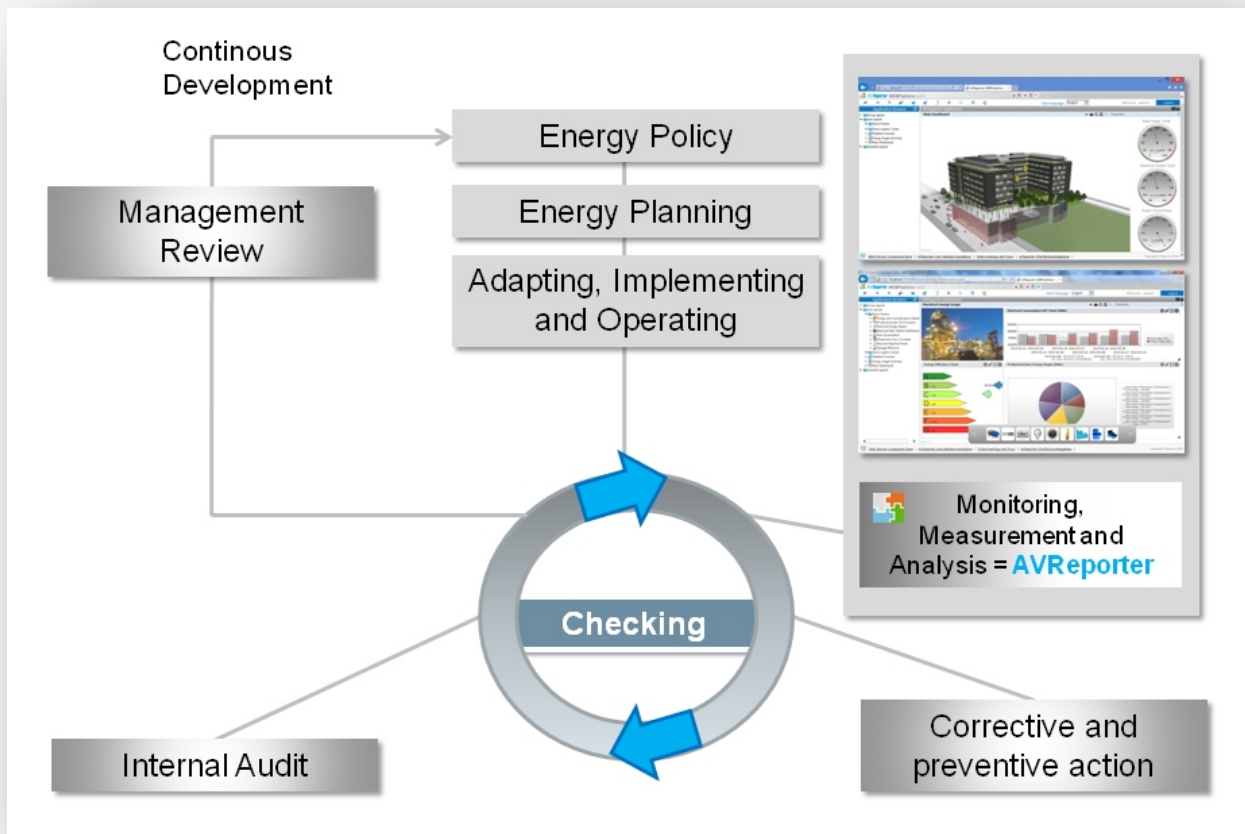
The "Entrance Package" allows the client to trial the software in a small system with low cost.

AVReporter V3.0 Entrance Package	
Features	
Desktop Manager for AVReporter	<input type="checkbox"/> YES
Basic Reporter module	<input type="checkbox"/> YES
Real-time module (with 3 device licences)	<input type="checkbox"/> YES
AVReporter WEB Publisher module	<input type="checkbox"/> YES
Standard Plugins (Mailer, Printer, Backup and Restore, etc.)	<input type="checkbox"/> YES

AVReporter V3.0 Features	Lite	Basic	Intermediate	Advanced
Desktop Manager for AVReporter	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Basic Reporter module	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Energy Manager Summary module	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
AlarmBrowser module	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Real-time module (require device licences)	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Connection to local databases (AVRDATA, SMS, IONE, Struxtureware databases)	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Business -Intelligence module	NO <input type="checkbox"/>	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
CSV plugin (import-export) in BI module	NO <input type="checkbox"/>	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
ODBC plugin in BI module	NO <input type="checkbox"/>	NO <input type="checkbox"/>	<input type="checkbox"/> YES	<input type="checkbox"/> YES
AVReporter WEB Publisher module	Optional	Optional	Optional	Optional
Standard Plugins (Mailer, Printer, Backup and Restore, etc.)	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Advanced Virtual Meter Manager Plugin	NO <input type="checkbox"/>	NO <input type="checkbox"/>	<input type="checkbox"/> YES	<input type="checkbox"/> YES
AVR Connection Center Plugin	NO <input type="checkbox"/>	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Data concentrator drivers	NO <input type="checkbox"/>	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Connection to OPC server	NO <input type="checkbox"/>	<input type="checkbox"/> YES	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Connection to external data sources (ERP, BMS, etc.)	NO <input type="checkbox"/>	NO <input type="checkbox"/>	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Redundant OPC server connection Plugin	NO <input type="checkbox"/>	NO <input type="checkbox"/>	Con. to one system Optional	No limitation Optional
Rollover Configurator Plugin	NO <input type="checkbox"/>	Optional	Optional	Optional
Cost Allocation and Billing module	NO <input type="checkbox"/>	Optional	Optional	Optional
Analitic Advisor	NO <input type="checkbox"/>	Optional	Optional	Optional

AVReporter Desktop Client V3.0 Features	Standard	Expert
Desktop Manager for AVReporter	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Basic Reporter module	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Energy Manager Summary module	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Alarm Browser module	NO <input type="checkbox"/>	<input type="checkbox"/> YES
Connection to the AVRDatabase (AVRDATA)	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Business – Intelligence modul	NO <input type="checkbox"/>	<input type="checkbox"/> YES
CSV plugin (import-export) in BI module	NO <input type="checkbox"/>	<input type="checkbox"/> YES
Standard Plugins (Mailer, Printer, Backup and Restore, etc.)	<input type="checkbox"/> YES	<input type="checkbox"/> YES
Cost Allocation and billing module	NO <input type="checkbox"/>	Optional
Analytic Advisor	NO <input type="checkbox"/>	Optional

Fully compatible with the ISO 50001 Energy Management Standard



AVReporter Energy Management Software in Practice

- *Save on Energy Bills*
- *Measure, monitor and analyse Energy costs against productivity*
- *Reduce CO2*

The ideal solution to manage the energy consumption of production companies, building complexes, logistic centers and shopping malls.



<http://www.konsys-international.com>
email: support@konsys-international.com
sales@konsys-international.com

