

sip aM&T

Making sense of energy ...



Before you can **control** and **reduce** your energy consumption you need to understand it...

.... at a glance

- Cost effective, easy to use aM&T solution.
- Meets the demand for easy access to energy data.
- Energy data is stored and displayed onsite.
- Web based configuration.
- Data download options and scheduled reporting.
- Integration with BMS.

2001



2011

Synapsys Solutions has been developing and providing innovative interfacing, integration and communication solutions for the intelligent building controls industry since 2001 and continues to develop and deliver differentiated and innovative technical solutions for the intelligent buildings environment.

The foundation of our continued growth is an investment in ongoing innovative technology development and a commitment to excellent customer service.

Our vision is to continue to develop practical, flexible interface and integration solutions that offer simplicity of use, ease of engineering and make an effective contribution to energy usage reduction in all buildings.



Carbon Reduction Commitment



Legislation



Communicable Devices



Rising Energy Costs

The SIP aM&T Solution

There is an increasing demand for energy management and information which is driven by legislation and increasing energy costs. The SIP aM&T solution has been developed to meet this demand and the need for access to live time energy data which is kept onsite.

The SIP aM&T is the new energy monitoring and targeting system from Synapsys Solutions and has been designed to give you live time data about your energy consumption and allow you to target different parts of your network for improvement. The system benefits from the reliability and intuitive control features from our established SIP BMS Interface product range.

This aM&T metering interface collects data from pre-defined points and stores the data in the SIPs internal MySQL database linked to the built in web portal to display live time data onsite together with access to commissioning tools. It is available as a ModBus or M-Bus interface to BMS with added aM&T functionality or can be supplied as a standalone aM&T solution.

What is aM&T?

aM&T provides automated mechanisms for the long term management of energy use that can highlight potential improvements in consumption. However aM&T does not save energy, it is the action taken as a result of the aM&T that provides quantifiable energy savings.

Effective aM&T should aim to ...

- Establish current consumption.
- Compare current consumption with historical data, benchmarks & targets.
- Set future targets through the use of recorded historical data.
- Identify trends in consumption.
- Produce exception reports/messages and alarms when targets and profiles are exceeded.

The key features of the SIP aM&T are detailed on the following pages along with a summary of the benefits of specifying and installing SIP aM&T.

Key Features

Web Portal



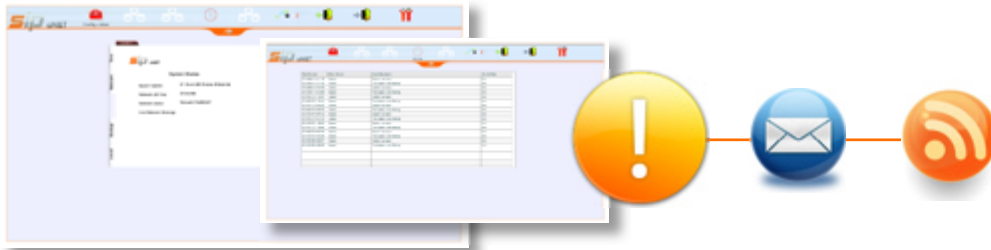
Commercial



School

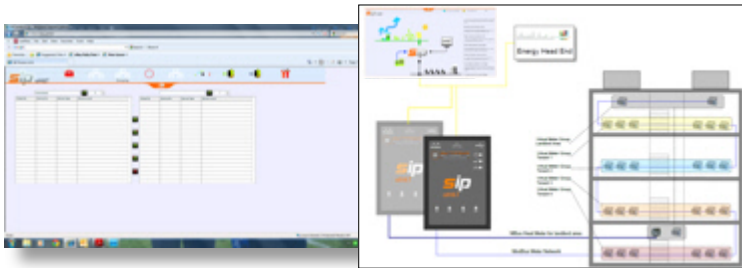
A dedicated, configurable and secure web portal is included in the SIP aM&T through which live energy data can be viewed with half hour kWh data and consumption vs profile graphs. Commissioning and scheduling tools are also accessed through the web portal.

Reporting & Alarms



SIP aM&T tools include setting up and reporting energy exceptions and the scheduled compiling and sending of energy data reports. Alarm (anomaly) reporting can be set up and scheduled to be sent via email or RSS feed.

Virtual Grouping



An innovative feature within the SIP aM&T enables meters from different networks (ModBus & M-Bus) to be linked together to form Virtual Groups to monitor energy and produce reports for pre-defined areas in the building.

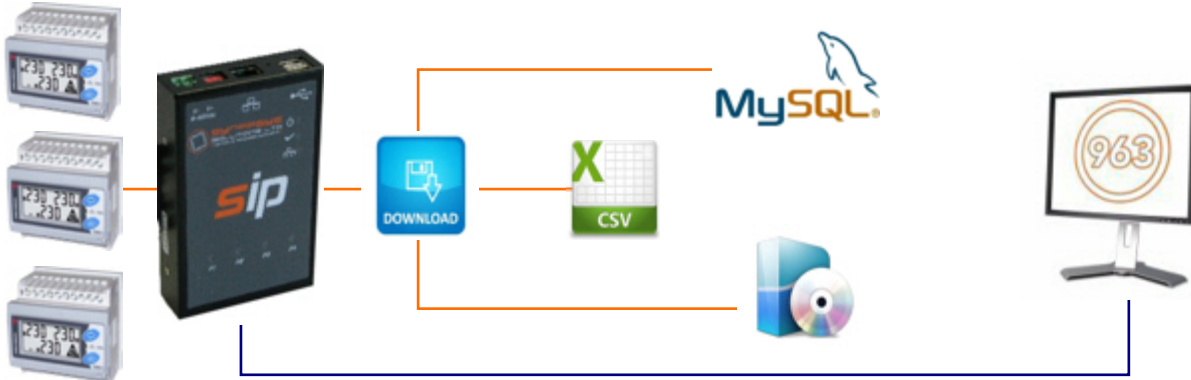
Renewable Energy



Onsite renewable energy sources can be monitored and included in the SIP aM&T system. Options include calculating and displaying the value of renewable energy being generated against the initial investment and as a contribution to overall consumption in the building.

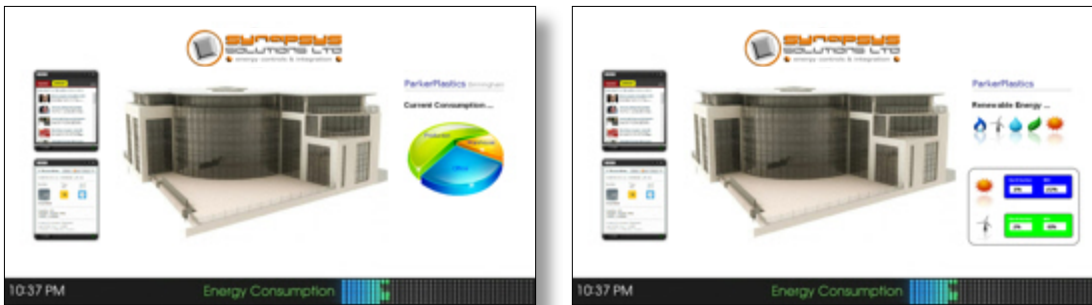
Key Features

Compatibility & Integration



The SIP aM&T allows data to be downloaded in common file formats such as .csv and MySQL so that it can be exported to many energy and billing software applications and Building Management Systems. In addition it is available as a fully featured interface to Trend BMS, whilst retaining the separate aM&T functionality.

Display Options



In addition to the built in web pages SIP aM&T can be configured for a custom front end and a premium dashboard application will be available for connection to web enabled display screens.

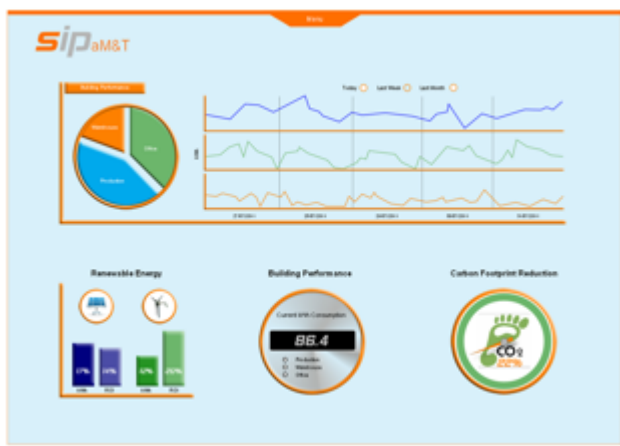
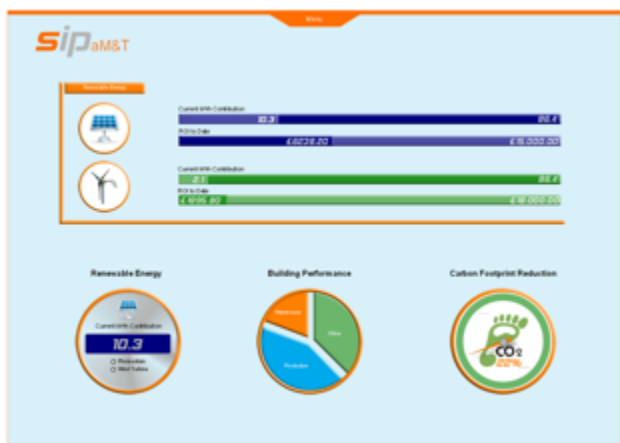
Why choose the **Sip** aM&T solution?

- Cost effective aM&T solution, no ongoing costs, no licences and unlimited users.
- Direct monitoring of energy and utilities.
- Current live energy data is available and displayed onsite.
- Dedicated built in web portal to view energy consumption and configure the system.
- Compatibility with energy/billing software through download options.
- Integration with BMS.
- Simple to specify and easier to install.



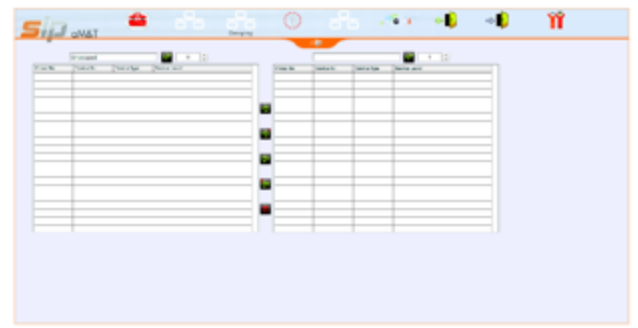
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User Dashboard



The SIP aM&T comes with a configurable dashboard to display your energy data onsite via web pages. With no licence fees or ongoing costs you can set up as many users as you need.

Web Configuration



Commissioning and configuring the SIP aM&T is easily done through its dedicated web portal. Virtual Groups can be set up as well as network settings, alarms and report scheduling. The intuitive user interface is the result of the success of our established range of SIP interface products which use simple web based tools and engineering.



In addition to the SIP aM&T we sell a comprehensive range of interface products based on the SIP platform for ModBus, M-Bus, SNMP and BACnet to BMS. Working in partnership with the UK's leading Systems Integrators and Controls Houses SIP interfaces have been installed throughout the UK and in Europe connecting 3rd party network devices to Trend and other BMS.

For more information and to download brochures and data sheets please visit:

www.synapsys-solutions.com



Our sister company Open Technology designs, manufactures, installs and maintains intelligent lighting control systems, tailored to a buildings exact needs that deliver excellent energy savings, energy efficiency and functionality. For information about our LiGO control system please visit:

www.opentechnologyuk.com

For more information and to request a quote please contact:



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