



SYNAPSYS
BUILDING INTELLIGENCE

Innovative hardware and software solutions

A woman with long dark hair, wearing glasses, a light blue and white striped shirt, a light pink blazer, and light blue trousers, is walking through a modern office space. She is smiling and holding a pink folder. The office has large windows, wooden bar stools, and several black pendant lights hanging from the ceiling. The scene is brightly lit with natural light coming from the windows.

HEALTH AND WELL-BEING

- Energy bills account for about 1% of a business' operating costs, while costs associated with staff make up 90%. It's easy to see the impact that even a slight drop in absentee rates or employee efficiency could have on profits.
- Natural ventilation or mixed-mode conditioning could achieve 0.8 - 1.3% savings on health costs, 3 - 18% productivity gains, and 47 - 79% in HVAC energy savings, for an average ROI of at least 120%.
- Comfortable temperature range is essential, 6% fall in staff performance when offices are too hot and a 4% drop in performance when they are too cold.
- Productivity can improve by 10% in workplaces which have a fresh supply of unrecycled air.
- 2% of working hours are wasted due to unsuitable office temperatures. As well as making employees less productive – and less happy – that's a loss to the UK economy of £13 billion every year.
- In a survey of building owners, 38% of those who reported increased value said healthy buildings were worth at least 7% more than normal ones, 46% said they were easier to lease, and 28% said they commanded premium rents.

Sources: World Green Building Council / Carnegie Mellon

REASONS TO BE SMART



SYNAPSYS IN THE WORKPLACE

Synapsys Solutions innovative hardware and software solutions help improve building performance, reduce time pressure on facilities personnel and help building owners improve the sustainability and well-being of their buildings and occupants.

So how do we do that?

Now that almost all building technologies come with controls fitted, the challenge is to get them to work together. Our SIP, SIP₂ and SIP+ products enable decentralised systems to communicate together effectively and to present the key information from them to a broad range of building users, utilising smart display technologies.

Furthermore our products enable the transfer of data held in those systems to enterprise applications as well as our own iNSIGHT software solutions for energy management, building optimisation and billing.

Synapsys Solutions provides the products and solutions today to transform your buildings into smart buildings, ready to take advantage of tomorrow's technologies.

SIMPLY SMART

SYNAPSYS BUILD

SOLUTIONS

iINSIGHT SAAS

Wellbeing

Sustainability

Comfort

Investable

Efficiency

Engagement

Health & Safety

Co-working

Happiness

Performance



THE SMART

ING INTELLIGENCE

sip PLATFORMS



T CHOICE

MONITORING

HUMIDITY SENSORS

METRICS

GAS METERS

EDGE

HVAC

WEATHER DATA

BUILDING MANAGEMENT SYSTEMS

ROOM BOOKING

BIOMASS METERS

HEAT METERS

MQTT

LUX

OCCUPANCY

PRESENCE DETECTION

WATER METERS

MYSQL

ELECTRICITY METERS

REST

FAN COIL UNITS

POWER METERS

TEMPERATURE SENSORS

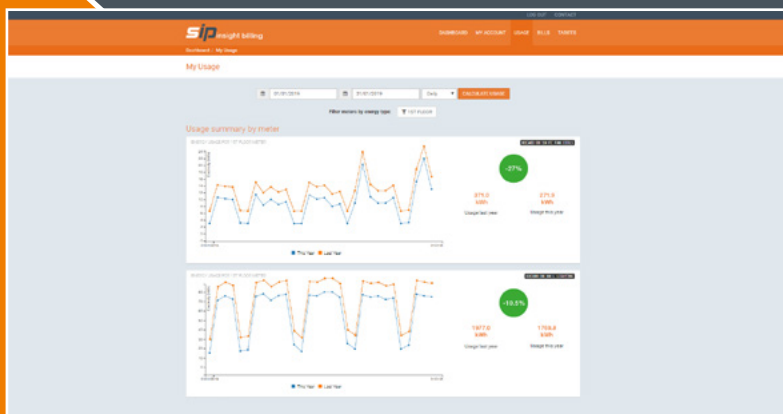
CO₂ SENSORS

IOT SENSORS

INSIGHT- BILLING

iNSIGHT Billing is an easy-to-implement efficient solution which pulls utility consumption data from meter loggers or a metering system together in an easy-to-use portal.

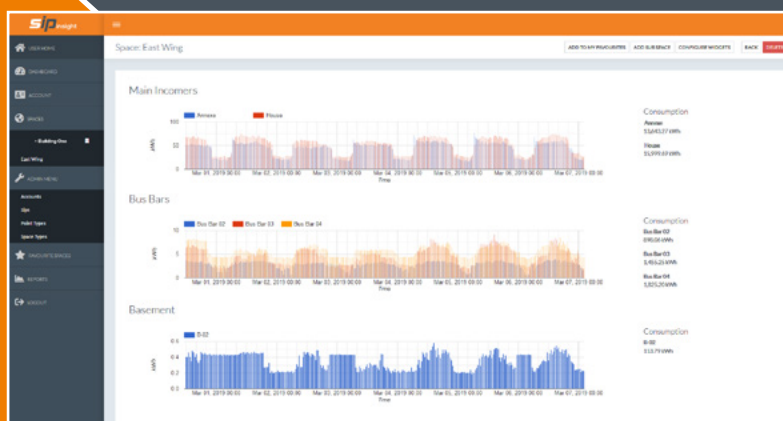
Providing landlords with the ability to automatically bill tenants based on their apportioned energy calculations. The system effectively joins up the dots — providing a portal for the landlord to view, monitor and make adjustments to the system and charges, but also for the tenant to view and monitor their energy bills and usage.



INSIGHT- ENERGY & BUILDING INFORMATION SOFTWARE (EBIS)

Our cloud based solution takes data sets from Energy monitoring systems, Building management systems, sensors, meters, plant and much more, then provides a single source of comprehensive data which can be properly viewed and analysed by a building or energy manager.

The data collected can be displayed on charts of the user's preference so that consumption trends can be spotted easily and acted upon. By identifying how, when and where a building uses the most energy, an effective control strategy can be implemented and tracked to maximise savings.



Synapsys Hardware

SIP+ is at the forefront of accessing and integrating building data, be it for energy reduction, building optimisation or connecting to the internet of things (IoT), SIP+ is the device to make buildings – smart buildings.

SIP2 is our easy-to-use, meter interfacing and data capture solution. SIP2 has built in M-Bus, ModBus, PoE and a digital input, ideal for a range of applications.

Our range of SIPslice devices include M-Bus, IP, Serial and DALI converters. We also offer a range of power supplies, switches, modems and other items.



FUTURE PROOFED SOLUTIONS

KEEPING BUILDING DATA SECURE

The Synapsys range of products and software solutions ensures your building data is held, accessed and transferred securely when required. All Synapsys devices and software solutions are password protected and the data transferred to and from them can be via secure FTP connections.

Our SIP devices support the two mainstream protocols available for Secure FTP transfers named SFTP (FTP over SSH) and FTPS (FTP over SSL). Our software solutions which are accessed via online portals all meet the requirements for the latest GDPR standards and have built in strong security password requirements.

The ability to enable secure file transfer coupled with the password requirements for accessing our hardware and software solutions ensure our products meet the requirements expected by our customers.



CONTACT US FOR MORE INFORMATION

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