

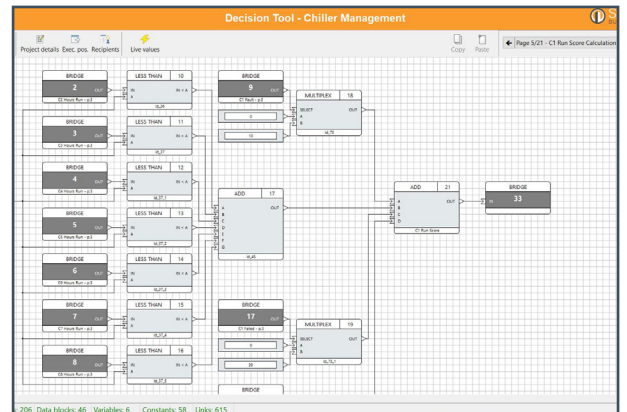
Synapsys Decision Engine

Control Logic solutions for your applications

Control solutions for your building applications

Imagine being able to implement a simple yet powerful control solution for any interfaced device or make decisions on incoming energy data, without the need for licences or extensive training.

Offering a multitude of benefits including cost-effectiveness, scalability, and fast implementation, our Decision Engine driver provides a new and efficient control solution for Systems integrators, controls specialists and end users alike.



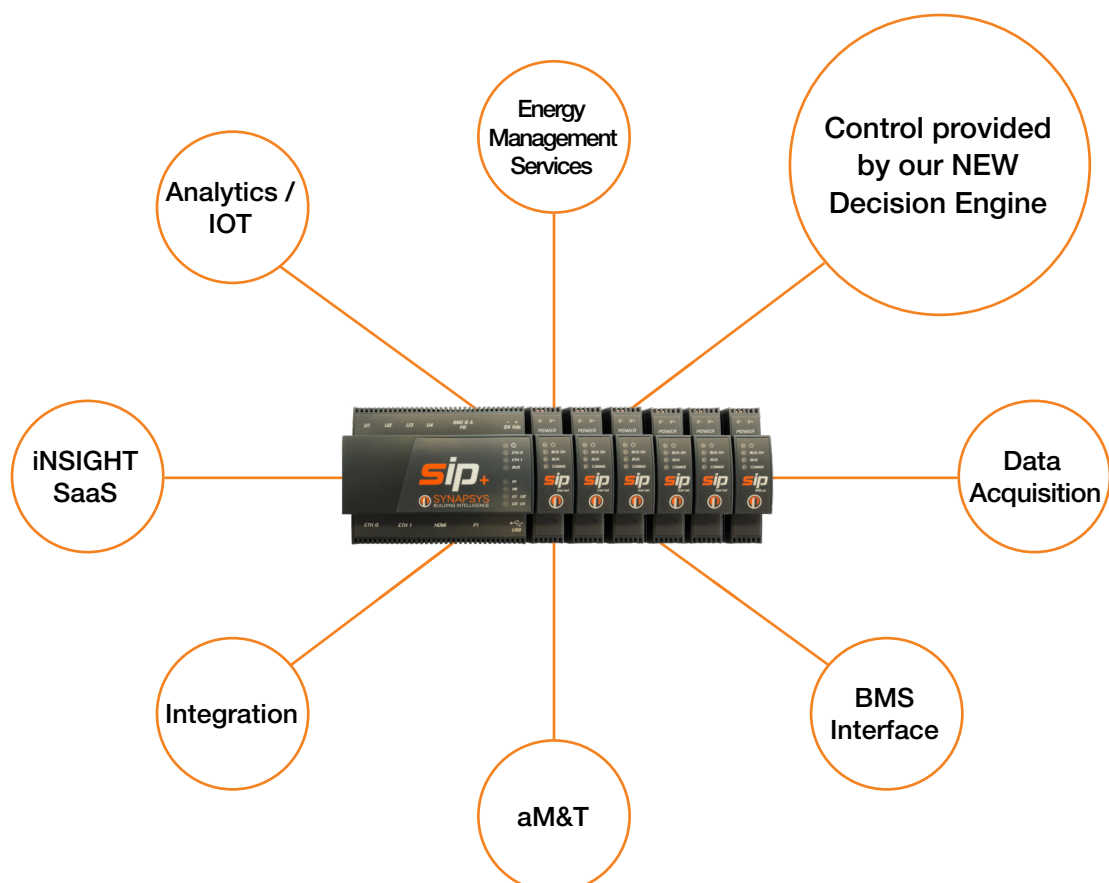
Available within our SIP+ and SIP2 hardware

Our SIP+ and SIP2 products with the Decision Engine driver installed provides an innovative solution designed to enable seamless integration, improved interoperability, greater connectivity, and now a control solution, all in one neat package.

Users will no longer have to grapple with complex and expensive systems just to get some control in place. With our SIP+ and SIP2 solutions, you can wave goodbye to high on-boarding hurdles and embrace a new era of simplicity, ease, and effectiveness.



One device multiple applications, now with Control Logic functionality



Easy to create Control Logic

Using our free to download Windows® based Decision Engine Tool, you can create your control logic on your PC and once complete simply download it into your SIP+ or SIP2 device.

The Decision Engine driver is built up using a series of blocks, these blocks are connected using links to inputs and outputs from each block to another.

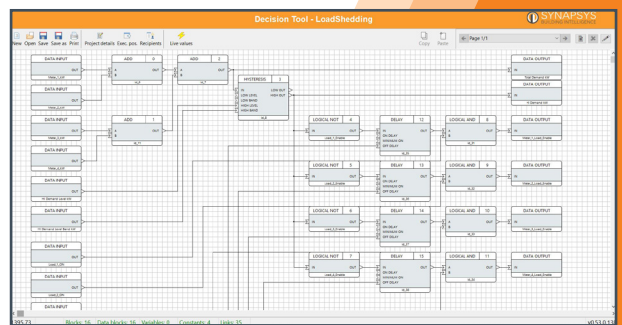
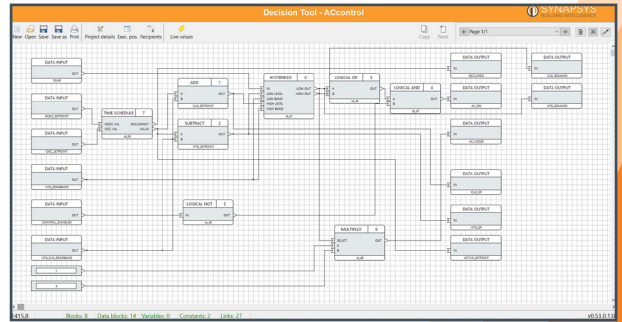
The order in which the blocks are evaluated is set by means of an Execution Position table that can be edited to ensure the correct sequence of blocks.

The types of data blocks available include:

- Mathematical - addition, subtraction, multiplication, division, etc.
- Logical - and, or, not, etc.
- Time - current time/date, time schedule, pulses, etc.
- Comparison - greater than, lower than, equals
- Other blocks including - delay, counter, hours run, PID loop and many more
- There are also Event blocks for monitoring real time events and sending email alerts

The Decision Engine Tool also includes functions to add/remove pages in a project, printing the Control Logic programme, or connecting to a live device already running the program and visualising the output of each block for debugging purposes.

Selected portions of Decision Engine blocks can be copied and pasted between this project and into another project when running multiple instances of the Decision Tool.



Decision Engine - Control for your applications

SIP+ and SIP2 hardware with the Decision Engine driver installed provides you with another option when or if you want to implement control logic for an application or project. The Decision Engine driver is completely customisable by you, so you can truly tailor the control to your requirements or your customers needs. Some example applications include:

- AC control
- AC and UFH control
- Chiller management
- Load shedding
- Analogue to digital
- Leak detection alarming
- Communicable I/O (Modbus etc)

With so many potential applications for plant control, system optimisation, energy efficiency, alarms, plus many more, the possibilities are endless and can now be enabled using our SIP+ and SIP2 products with our Decision Engine driver installed.

Want to know more?

If you would like to know more or have any questions about our New Decision Engine and its capabilities, please contact your local Synapsys Account Manager, call us on 01444 246 128 or email us at enquiries@synapsys-solutions.com.

For more information about Synapsys and our product range please visit www.synapsys-solutions.com.

© 2024, Synapsys Solutions Ltd, All rights reserved.

Synapsys Solutions Ltd
No. 1 Woodlands Court, Albert Drive,
Burgess Hill, West Sussex, RH15 9TN

T: 01444 246 128
E: enquiries@synapsys-solutions.com
W: www.synapsys-solutions.com

 **SYNAPSYS**
BUILDING INTELLIGENCE