

straton software

IEC 61131-3 integrated development environment

The straton Integrated Development Environment is a set of powerful text and graphics editors for IEC 61131-3 languages: Sequential Function Chart (SFC), Function Block Diagram (FBD), Ladder Diagram (LD), Structured Text (ST) and Instruction List (IL).



EASE OF USE

straton offers a development environment that supports several languages: English, French, German, Italian, Korean, Spanish, and more. It provides a single window for user friendliness and a simple toolbar which allows for easy adaptation by the user. The development environment uses a “drag & drop” approach and is completed with powerful online help tool.

IEC 61131-3 LANGUAGES

The five programming languages of the IEC 61131-3 standard are supported: Sequential Function Chart (SFC), Function Block Diagram (FBD), Ladder Diagram (LD), Structured Text (ST), and Instruction List (IL). STRATON is certified by PLCOpen at compatibility level for ST language. IEC code can be imported from various formats (PLCOpen TC6, Simulink ST, etc.).

ONLINE TOOLS

- ▶ Built-in simulation: a straton Runtime is integrated in the development environment for simulation
- ▶ Cycle-by-cycle mode

FAST FACTS

- ▶ Faster development
- ▶ Ease of integration
- ▶ Customizable
- ▶ Integrated SCADA/HMI

- ▶ Individual start/ stop program
- ▶ Debug function blocks instances
- ▶ Breakpoints
- ▶ Call stack
- ▶ Recipes
- ▶ Soft oscilloscope
- ▶ Automated test sequences

FIELDBUS CONFIGURATION TOOL

- ▶ Configure fieldbus networks in a few simple clicks. Configuring or importing fieldbus data and devices is easy. straton supports all common fieldbus technologies, including: MODBUS, Profinet, CAN/CANopen, Interbus, BACnet, DNP3, IEC 60870, IEC 61850, Powerlink, and Ethernet/IP.

PROJECT AUTOMATION INTERFACE

This feature allows the creation and modification of bespoke elements, and partial or complete projects with standard development tools such as VBA, zenon, C# and 'C'. It supports the automation of the import/ export of information from your database (xml, MS Excel, SQL, etc.) or other tools directly into the straton application. Typically this feature is used to export or import variable definitions, I/O configurations, or programs generated automatically or copied from a template.