

# straton soft PLC

Flexible and scalable software  
for industrial automation  
applications



**straton**

by COPA-DATA

# straton meets your challenges

## **REDUCE TIME TO MARKET**

**Do you want to reduce the time to market of your products without losing quality?**

straton supports a wide range of communication protocols dedicated to the automotive, building automation and energy sectors. The drivers and function blocks already implemented are designed to ensure fast development of applications.

## **MODULARITY**

**Do you want to remain flexible and not depend on a specific programming language?**

The straton software is based on the IEC 61131-3 standard which defines 5 different programming languages. You can choose your programming language, switch at any time, or opt for C or C++ programming to create your own function blocks, add Matlab or Simulink code, or integrate widgets.

## **AGILITY**

**Do you want to be free to evolve and use your applications on any type of hardware?**

The straton software is compatible with all operating systems and thus all types of hardware. Thanks to its flexibility and low footprint, the developed applications do not require any additional compilation to be integrated on specific hardware.

## **OPENNESS**

**Do you want to use your existing applications on new equipment?**

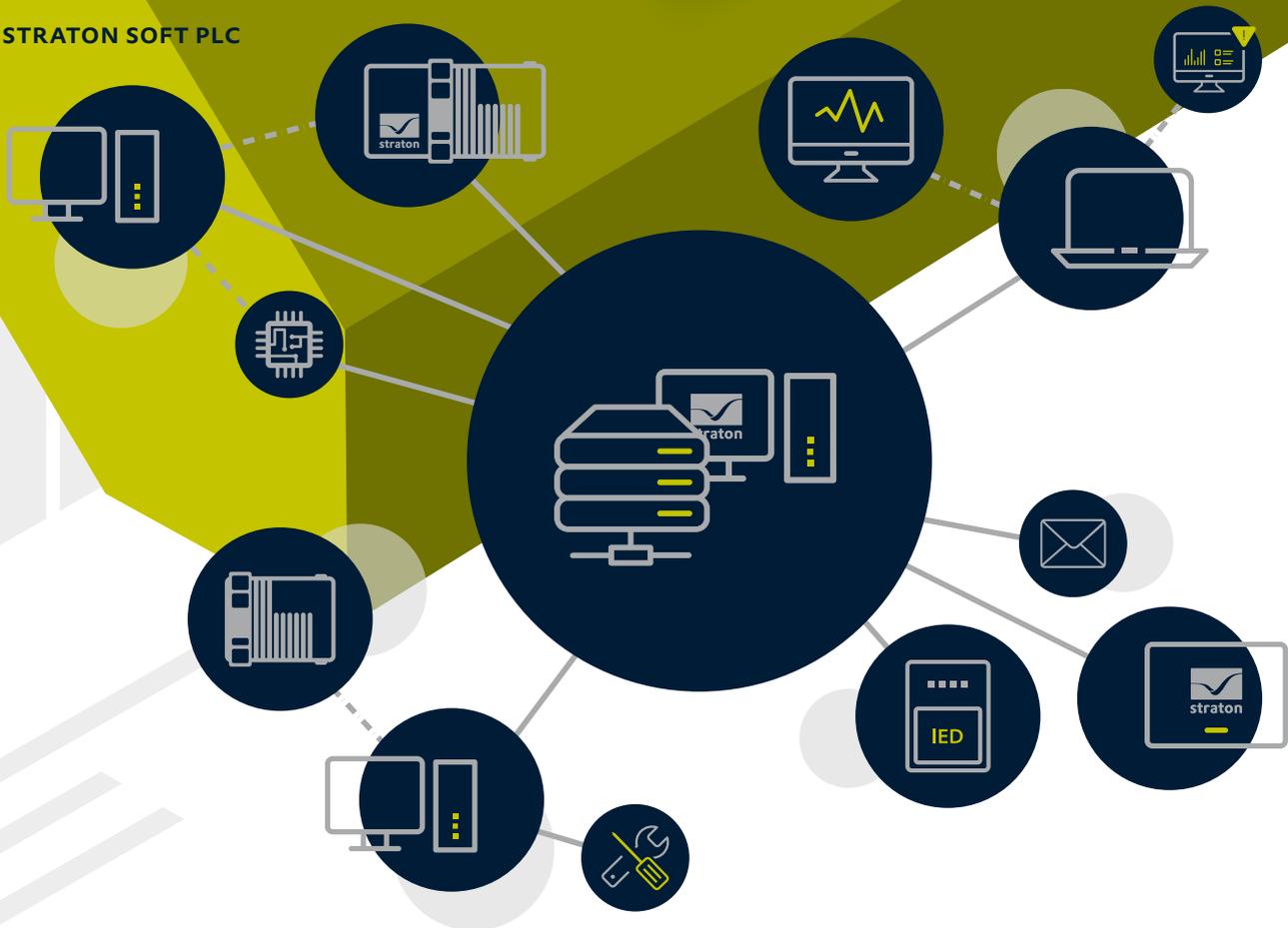
Thanks to the IEC 61131-3 programming standard, straton keeps its openness and programming flexibility. So you can both take over the application for a new equipment and interface with the already developed code (C, C++).

## **REDUNDANCY & SAFETY**

**Do you need a security proven software?**

Redundancy and security concerns have been taken into account all along the straton development cycle so that they are native features of the software.

## STRATON SOFT PLC



### PROTOCOLS AND FIELDBUS

- ▶ Standard protocols
- ▶ CAN protocol
- ▶ Industrial Ethernet protocols
- ▶ Energy protocols
- DNP3 M & S
- IEC60870-5-101 & 104
- IEC61850

### TOOL KITS FOR EMBEDDED DEVICES

- ▶ Driver development kit
- ▶ Data server
- ▶ Embedded graphic
- ▶ Validation tool

### IEC 61131-3 CERTIFIED EDITORS

- ▶ PLC Open certification
- ▶ Project automation
- ▶ Conversion between FBD, LD, ST and IL
- ▶ Brand labelling
- ▶ Controls / widget tool kit

straton is a flexible IEC-61131-3-based soft PLC and data processing environment for embedded platforms. straton is composed of a development tool kit, an integrated development environment, and a runtime. The development tool kit offers custom integration of the straton Runtime onto any hardware platform, regardless of the hardware configuration and operating system. Applications are realized in an IEC 61131-3 compliant environment. In addition, tools are available for fieldbus configuration, automated project engineering and online

diagnosis. straton Runtime carries out deterministic processing of the IEC 61131-3 application. straton also includes a range of communication stacks such as Modbus, Profinet, BACnet, CANopen, Powerlink, IEC 61850 and IEC 60870. Mainly dedicated to OEMs, hardware and software manufacturers, straton is available both as a full package and as individual software components. The powerful integration of straton within CO-PA-DATA's zenon Software Platform allows a seamless extension of applications from field to SCADA level."

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## ABOUT COPA-DATA

COPA-DATA is the manufacturer of the zenon® and straton® software platform, used in the manufacturing and energy industries for the automated control, monitoring, and optimization of machines, equipment, and power supplies. Founded by Thomas Punzenberger in 1987 and headquartered in Salzburg, Austria, the independent, family-owned company employs approximately 285 workers around the globe. The distribution of software on an international scale is made possible through the company's eleven subsidiaries and numerous distributors. In addition, more than 270 certified partner companies ensure efficient software implementation for end users in the food & beverage, energy & infrastructure, automotive, and pharmaceutical industries.



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