Native S7 TIA direct driver

Native communication to S7-1500 and S7-1200 controllers

The S7 TIA direct driver allows direct access to the Siemens TIA portal from zenon. Communication to SIMATIC S7-1200 and SIMATIC S7-1500 controllers, including optimized module access, is supported.
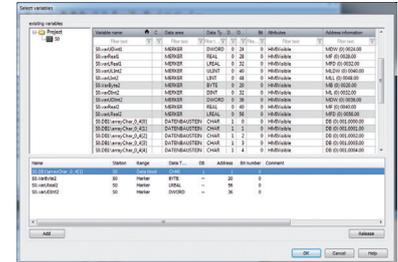
OPENNESS OF ZENON

zenon scores points with its openness and independence. With over 300 drivers for all common controllers, integration into existing systems is not a major challenge. COPA-DATA has developed the native S7 TIA driver for zenon, for communication with the Siemens Totally Integrated Automation (TIA) portal. zenon can thus use direct symbolic communication to the PLC series SIMATIC S7-1200 and SIMATIC S7-1500.

ADVANTAGES OF THE S7 TIA DIRECT DRIVER

zenon offers different methods to communicate with the TIA Portal controllers: Either with the S7 TCP driver, which does not however allow access to optimized data blocks. Or with the OPC UA client driver, which communicates with the PLC but requires an additional OPC UA server.

The biggest benefits of the zenon S7 TIA driver in contrast to these are:

▸ The direct driver also allows access to the optimized data blocks.

▸ Third-party systems are not required for communication between zenon and the TIA project.

▸ zenon has access to the TIA project without the need for changes.

▸ The variables for symbolic access can be imported directly from the control program.

CONFIGURATION OF THE S7 TIA DIRECT DRIVER

The creation of the driver in zenon also works with the S7 TIA driver as usual, with just a few mouse clicks. The variables from TIA-based projects can then be imported into zenon projects and utilized. TIA installation is not necessary here, only the TIA project file is required for the import of the variables.

FAST FACTS

▸ Native S7 TIA direct driver to S7-1200 and S7 -1500 controllers
▸ Access to optimized data blocks
▸ Symbolic communication
▸ No changes to the TIA project necessary
▸ No further systems required