

InFrame Synapse PLC-Connector (SECSII/GEM)

acp-IT's PLC-Connector (SECSII/GEM) provides a configurable bridge between equipment and the MES

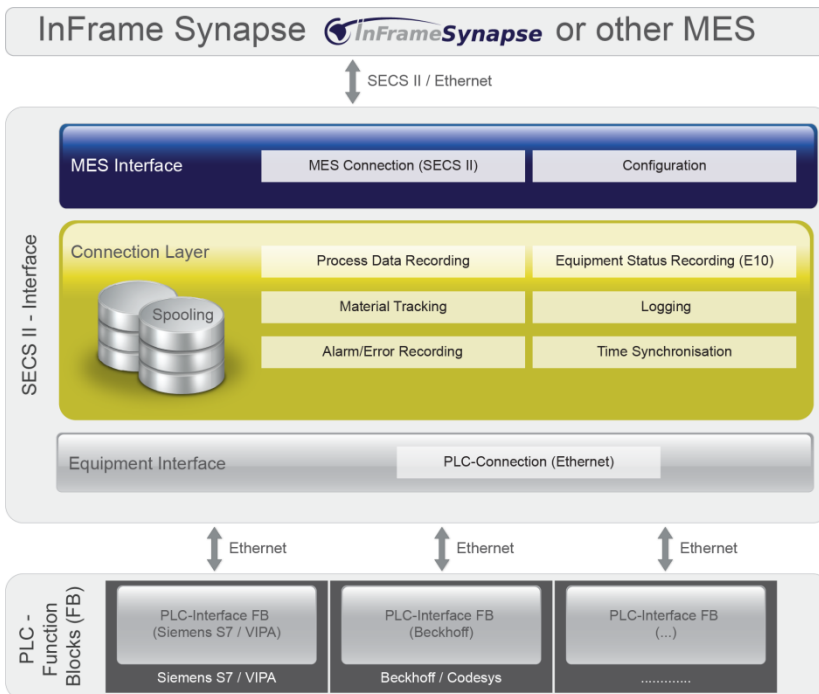
The PLC-Connector consists of two software modules that allow the integration of equipments with existing controller software into a MES using SECSII/GEM as interface. The interface is compliant to SEMI's PV-02 Standard for equipment integration within the Photovoltaic industry. The usage of this connector allows an equipment provider to supply its equipment with a PV-02 compliant interface with minimal effort. No detailed knowledge on the underlying protocols is needed. The connector supports status tracking based on SEMI E-10.

Flexible, configurable and easy to use

A simple configuration guarantees high flexibility and allows the adaptation of data acquisition to different customers needs or even supports changes while the adapter is installed. The configuration of the adapters is not dependant on the used PLC. A simple binary TCP protocol between the PLC and PC layer of the connector reduces the load on the PLC and allows a fast transmission of data and commands. PLC-modules for major PLC manufacturers are available, other PLC's can be integrated easily.

Flexible two layer approach

The separation of the PLC-Connector in two layers distributes the load between the PLC and a controller PC. The PLC only collects data and events and receives commands. All transformation, tracking and the processing of SECS data collection is done within a more powerful PC. Alarming can be configured and mapped to different events from the PLC.



With the InFrame Synapse software platform, acp-IT can develop high-quality customized applications within short time, because the application development is based on standard web technology. Furthermore, the software platform can just as easily be used for system integration of different IT applications and for connecting assembly equipment to higher level IT systems.

Who we are

With our locations in Stuttgart, Dresden, Villach (Austria) and Timisoara (Romania) we offer professional IT products and services for planning and operation of high-tech manufacturing facilities.

What we do

High-specific skills in industrial engineering, shop floor control and IT know-how are applied to the demands of the semiconductor and photovoltaic market as well as in the field of optoelectronics and electronics.

FEATURES

PLC-Connector

- Easy to use even for non SECSII/GEM experts
- Supports all major PLC products, extendable to new products
- Two layered approach for distribution of responsibilities to minimize impact on PLC
- Mapping and transformation of raw data to MES required data

OUR SERVICES

- Implementation of the InFrame Synapse MES for monitoring and control of complex manufacturing sites
- Reliable know-how in analyzing, sizing and optimizing production areas as well as the transformation into the digital factory world
- Conception, development and implementation of customer-specific software solutions for automation and equipment integration
- IT consulting for software architectures, design and quality assurance and SEMI standardization

CONTACT

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