

Goodtech Open Process Control System

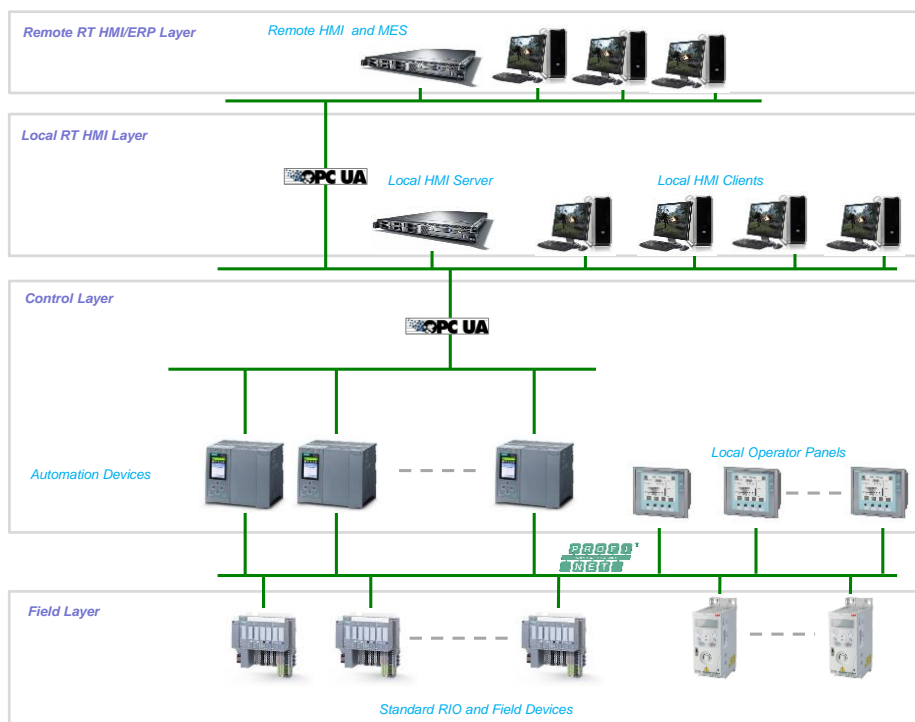
The **Goodtech Open Process Control System** is a modular high performance system based on industry standard hardware and software. The system is based on Simatic standard PLC hardware in the S7 1500 range. Any OPC client capable HMI system can be used as HMI system.

Engineering of the system is performed using standard TIA Portal engineering tools and the functionality of the system is roughly equivalent with the functionality of the Goodtech PCS7 system if the Goodtech Library is used.

The **Goodtech Open Process Control System** implements functionality roughly according to NORSOK standards when the Goodtech Library is used, or the system can implement functionality using the standard TIA portal 'Open Library'.

Local Operator Panels are configured using the TIA Portal WinCC application.

The figure below shows the principle for the **Goodtech Open Process Control System** automation system form field layer to real time HMI layer.



The figure shows the Goodtech Open Process Control System for process station control.

The field layer uses ET200SP RIO units exclusively, the control layer uses Simatic S7 1500 automation devices, and the real time HMI layer can for instance use the Wonderware system Platform program suite or the Schneider Electric IGSS HMI system.

Due to exclusive use of OPC UA as communication protocol, any OPC UA client capable HMI system can be used for SCADA purposes.

In addition, any OPC UA client capable data consumer can interchange information with the control layer devices

Goodtech Open Process Control System for Simatic S7-1500

For efficient system engineering Goodtech uses an add on tool to the TIA Portal for rapid application development.