Goodtech Open Process Control System

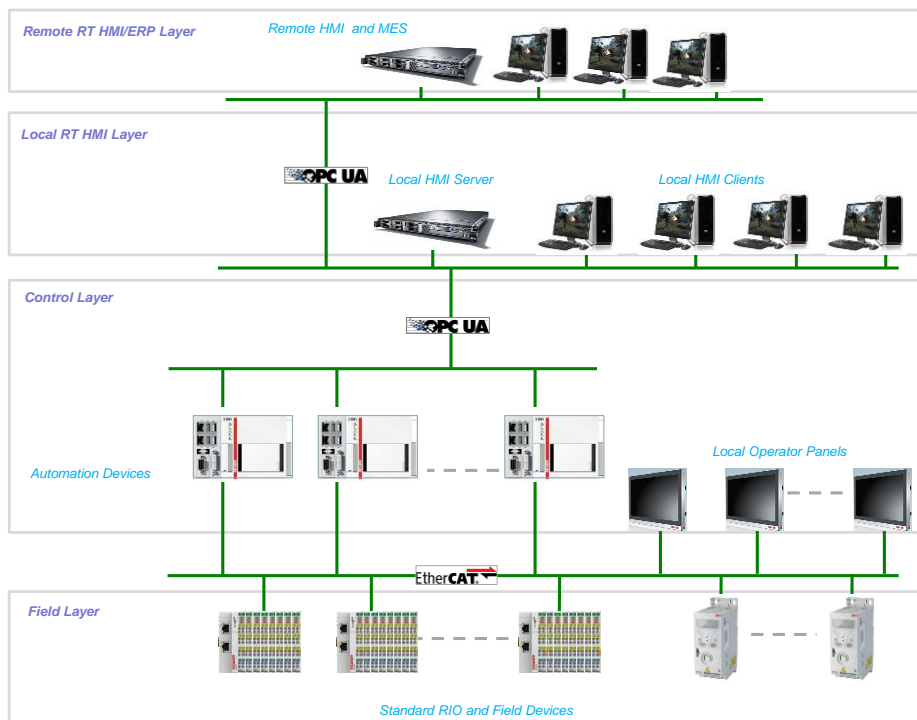The *Goodtech Open Process Control System* is a modular high performance system based on industry standard hardware and software. The system is based on Beckhoff standard IPC hardware. Any OPC client capable HMI system can be used as HMI system.

Engineering of the system is performed using standard TwinCAT 3.1 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.

Local Operator Panels can be configured using the TwinCAT web visualisation.

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

Goodtech Open Process Control System for TwinCAT

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

The field layer uses EtherCAT RIO units exclusively, the control layer uses Beckhoff IPC 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