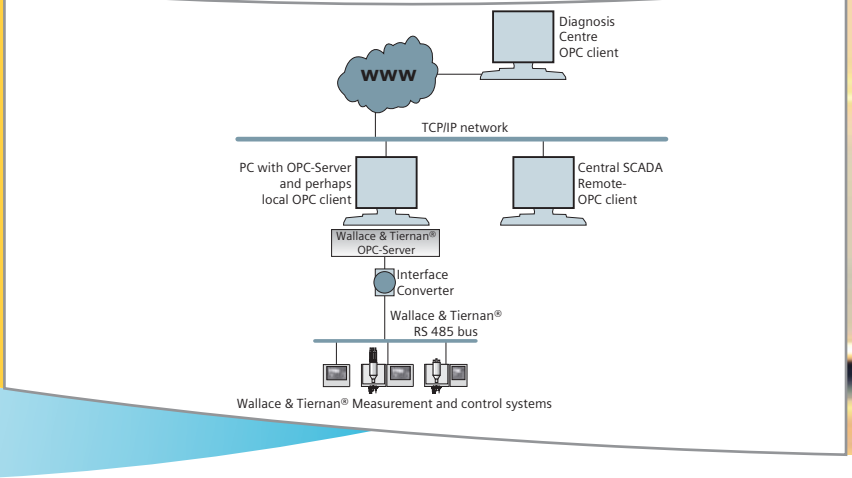

OPC-SERVER

WALLACE & TIERNAN® DATA MANAGEMENT

The Wallace & Tiernan® OPC-Server is an offer to those people who wish to provide full transparency throughout their company or who expect to have this software available if a network already exists. In office communication and process technology Windows® based systems are an established standard. Meanwhile many manufacturers of measurement and control equipment and similar instruments offer buscompatible units, but in practice interlinking these instruments frequently turns out to be a major problem. Quite often extra expenses incur that were not foreseen in the engineering phase.

GENERAL

OPC, OLE for Process Control, a Windows based easy-to-implement software, allows to centrally visualize and control internal processes. On the one hand process instruments acting as OPC-Servers (data sources) communicate with OPC clients (data users) on the other hand.

The Wallace & Tiernan OPC-Server is a software designed for data exchange with superimposed systems supporting every Wallace & Tiernan RS 485 bus compatible system.

By means of the Wallace & Tiernan OPC-Server, process data of up to 32 units – can be transmitted to OPC client applications. Data exchange is bidirectional, this means the OPC client can both read and write process data; process parameters can be changed from the visualization level. Data exchange is possible on the same computer networklike Intranet and Internet (Remote OPC client application).

Access to the Wallace & Tiernan RS 485 bus takes place via a free serial port of the computer on which the OPC-Server application is running.

Benefits:

- Simple connection to visualization systems
- No time consuming programming of drivers
- Easy implementation by self-executing installation
- Flexible and efficient access to process data of the Wallace & Tiernan measurement and control units

SUPPORTED PROCESS UNTIS

all Wallace & Tiernan RS 485 units

Supported by the following operating systems

- Windows XP
- Windows 7
- Windows 8

Technical Requirements

- Free serial interface (COM) or free USB port
- Windows visualization
- Operating system as indicated
- Converter as indicated

It is as simple as that

- Install Wallace & Tiernan OPC-Server on Windows system. After automatic registration the server is automatically recognized by the PC and the network.
- Connect Wallace & Tiernan RS 485 bus via a free interface and the interface converter to the PC.
- Start OPC client: The OPC client finds automatically all OPC-Servers connected and starts them.
- By a simple mouse click the process parameters can be selected and taken over into the visualization in the data format requested.

Important note

For connection of the process units to the OPC-Server a R 232C/RS 485 bus converter or USB port is required (see diagram above). For a trouble-free operation, the following interface converters are available:

- W3T172053 Interface kit RS 232/RS485 with power unit
- W3T172054 Interface kit USB/RS 485

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