



Product Configuration  
Simplified

## Eurotherm®

### iTools

A comprehensive suite of software tools with feature-specific editors that allow users to quickly configure, commission, monitor and maintain Eurotherm products.

[eurotherm.com/itools](http://eurotherm.com/itools)

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**Schneider**  
Electric

# iTools Overview

## iTools Features

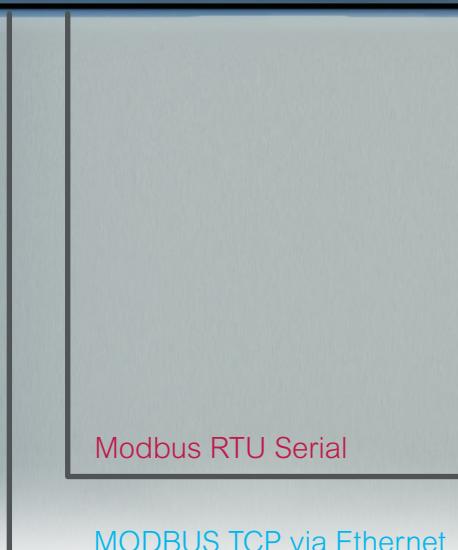
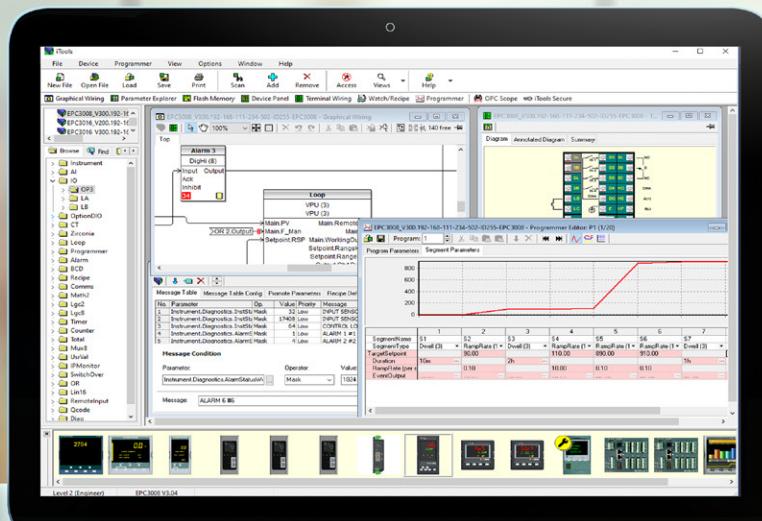
- Terminal Wiring Editor
- Parameter Explorer
- Graphical Wiring Editor
- Programmer Editor
- and more...

## Additional Features

- OPC Scope
- Basic SCADA
- Standalone
- Programmer Editor

## OPC DA2 Connectivity

- Eurotherm PAC
- AVEVA System Platform
- LabVIEW™
- and more...



iTools free download [eurotherm.com/itools](http://eurotherm.com/itools)

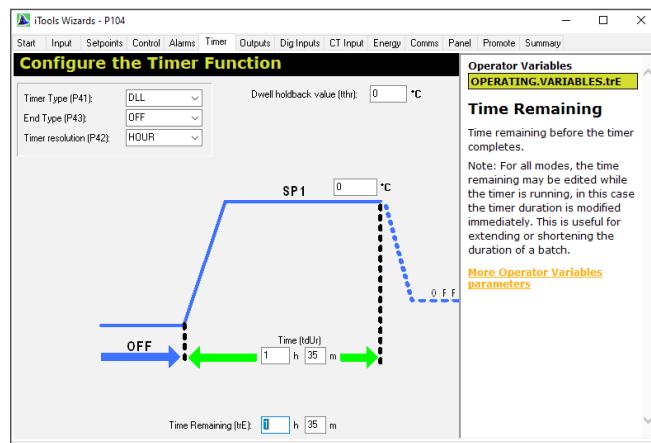
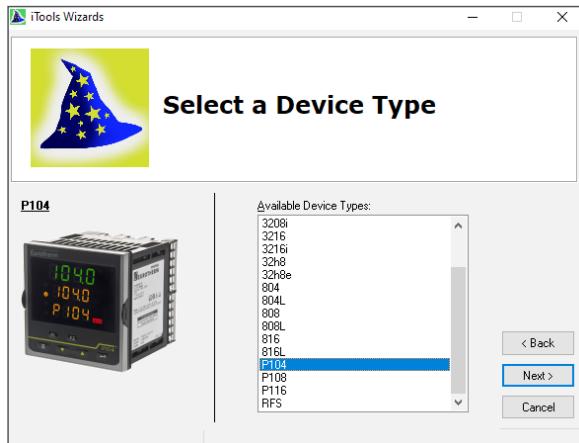
To purchase optional features contact [info.eurotherm.uk@se.com](mailto:info.eurotherm.uk@se.com)

# iTools Features

## Wizards

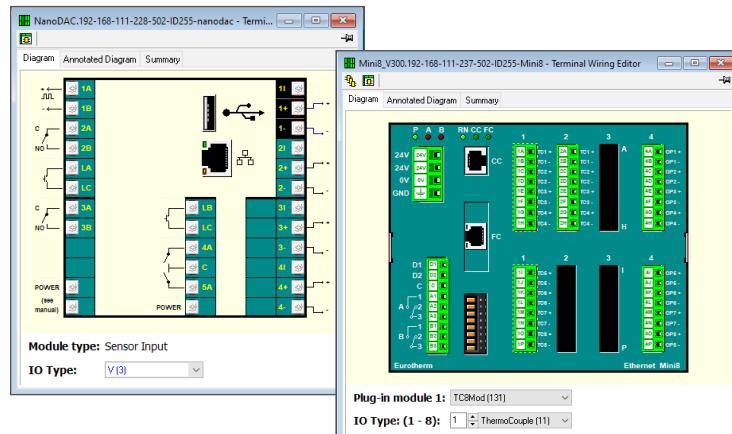
- Guided configuration of Eurotherm products
- Step-by-step sequence of pages

- Interactive help
- Graphical illustration of configuration settings



## Terminal Wiring Editor

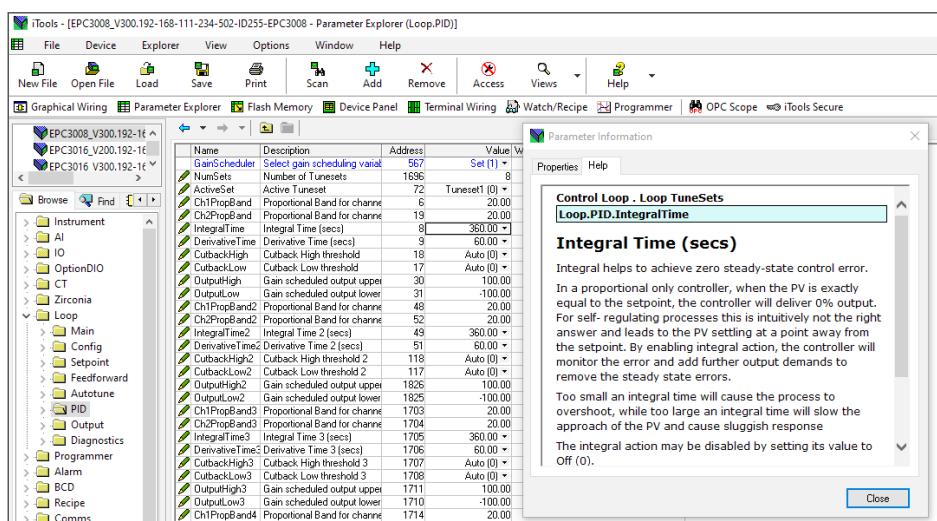
- Representation of the I/O module terminal configuration
- Online view shows the actual I/O configuration of a device
- Offline view enables configuration of required I/O



## Function Block Parameter Explorer

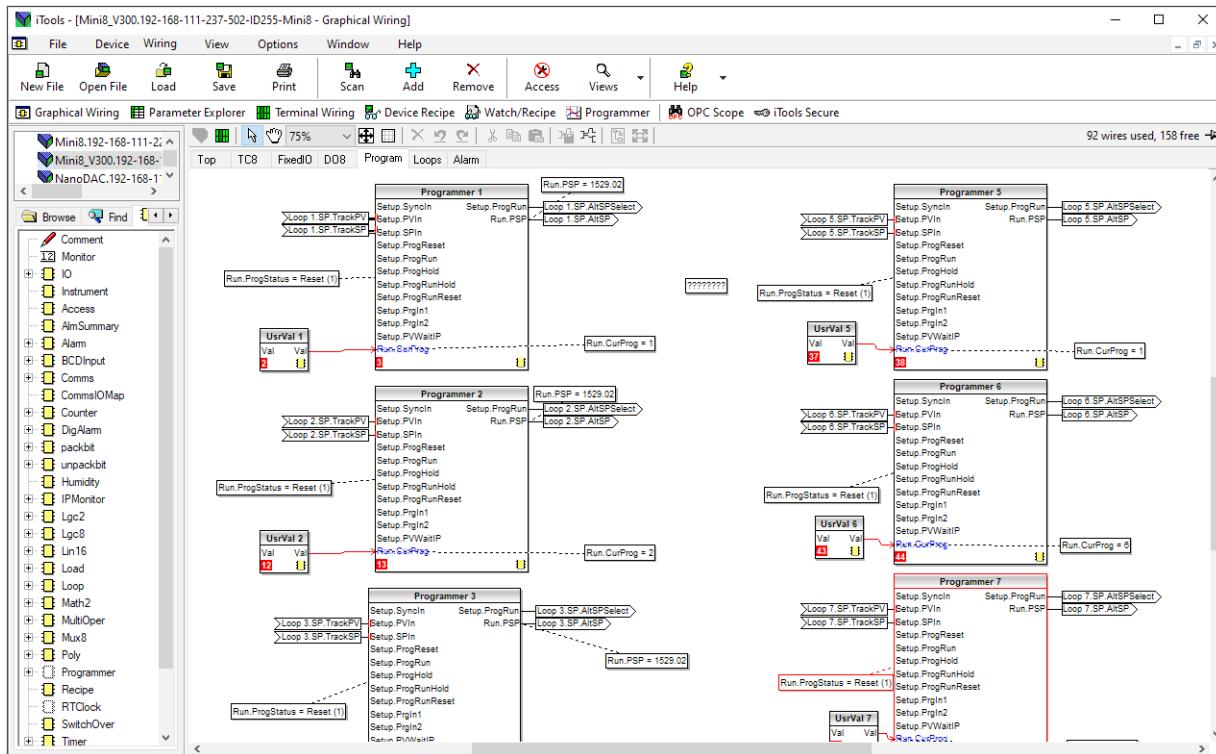
- Browse library of function blocks
- Function blocks include I/O, PID, communications, maths etc.

- View and modify parameters in Parameter List View
- Parameter Help



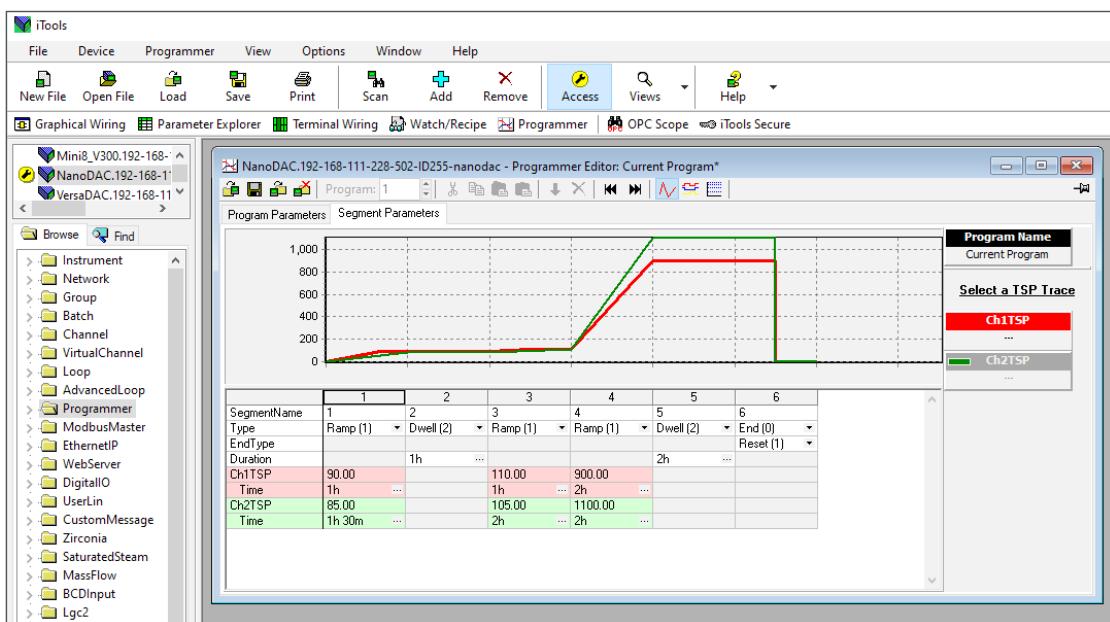
## Graphical Wiring Editor

- Build on preconfigured function blocks
- Develop advanced control applications in minutes
- Simple drag-and-drop graphical interface



## Programmer Editor

- Set up setpoint profiles
- Configure programmable event outputs
- Edit programs offline on a local PC, or an online device
- Download stored programs to device
- Store programs on local PC or device
- Stand-Alone Programmer Editor available for use by operators



## User Messages

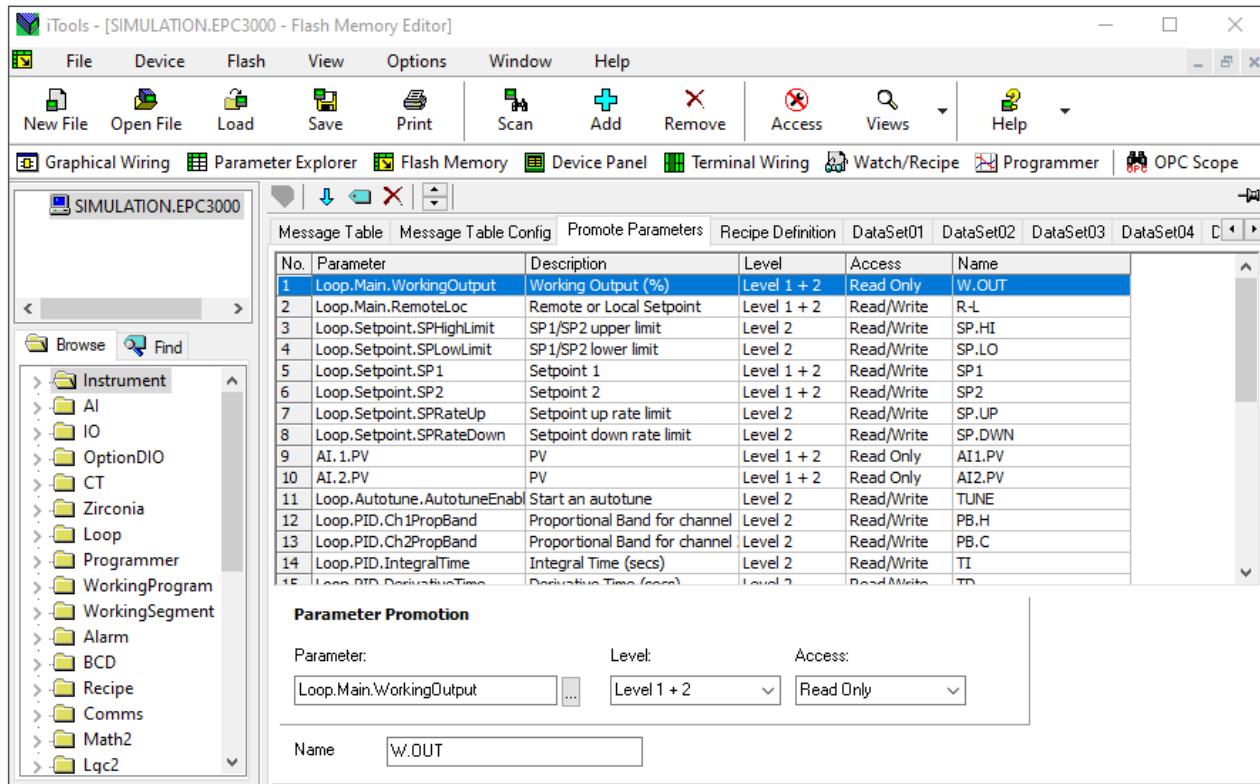
- Define user messages
- Assign messages to parameter values

## Promote Parameters

- Identify priority parameters
- 'User List' displayed on the device front panel

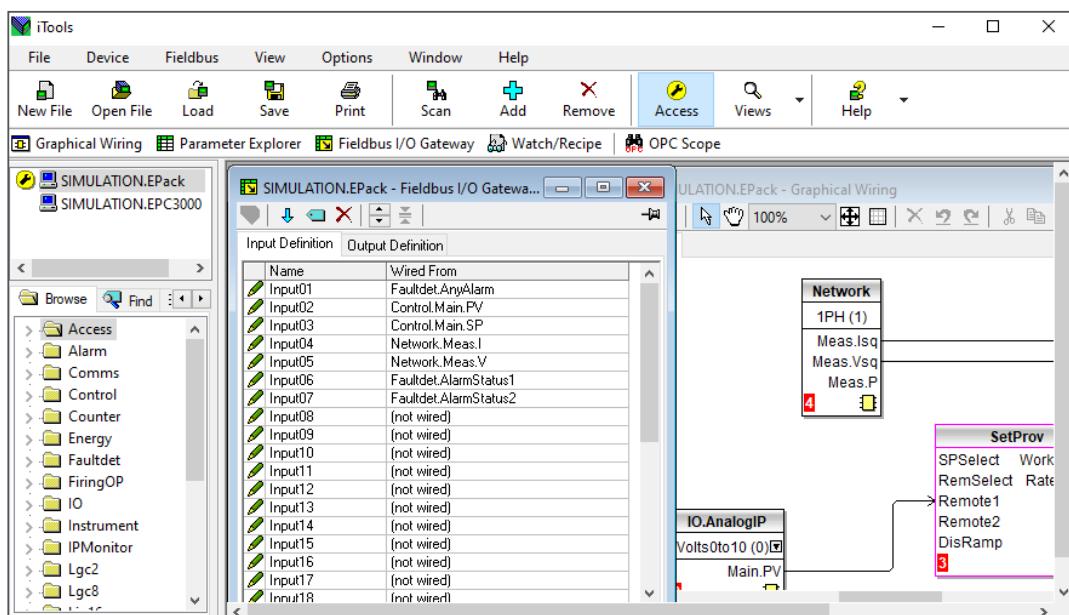
## Device Recipes

- User defined list of parameters
- Create 'Data Sets' of parameter values to be downloaded and stored on the device



## Fieldbus IO Gateway Editor

- Define 'Input' and 'Output' parameters to be available over Fieldbus link (e.g. EtherNet/IP, PROFINET)



## Device Panel

- Display a live interactive view of the device front panel



## Watch/Recipe Editor

- Monitor watch list of live parameter values
- Recipe definitions are stored in files on the PC and managed within iTools

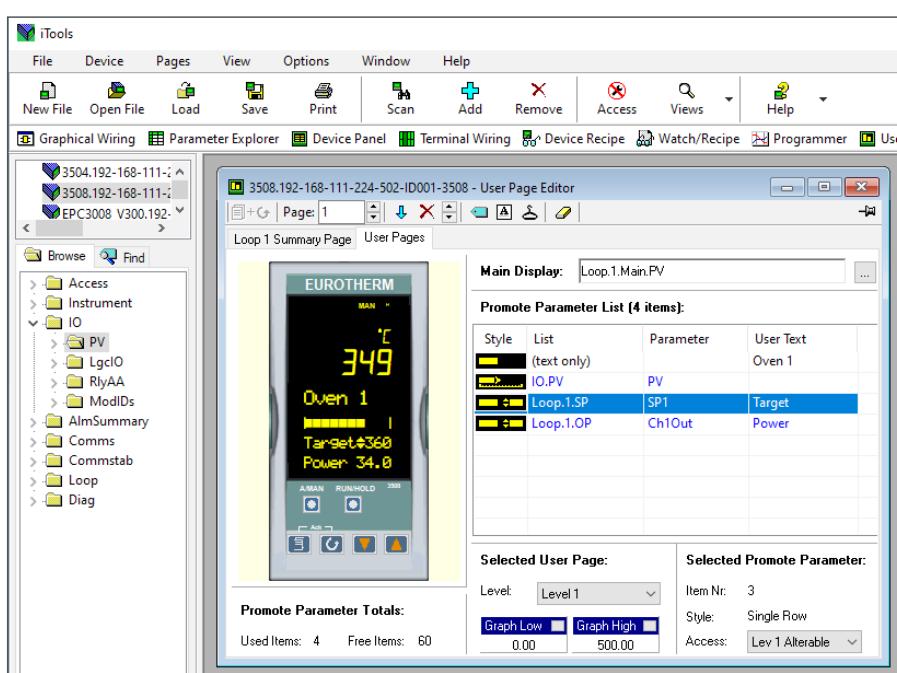
3500.192-168-111-222-502-ID001-3504 - Watch/Recipe Editor			
List	Parameter	Description	Value
Loop.1.Main	PV	Process Variable	122.73
Loop.1.Main	WorkingSP	Working Setpoint	122.91
Loop.1.Main	ActiveOut	Working Output	20.0
Loop.1.PID	ProportionalBand	Proportional Band	89.4
Loop.1.PID	IntegralTime	Integral Time	54 ▾
Loop.1.PID	DerivativeTime	Derivative Time	9 ▾
Loop.2.Main	PV	Process Variable	121.79
Loop.2.Main	WorkingSP	Working Setpoint	121.81
Loop.2.PID	ProportionalBand	Proportional Band	110.7
Loop.2.PID	IntegralTime	Integral Time	45 ▾
Loop.2.PID	DerivativeTime	Derivative Time	7 ▾

Set 1	Set 2	Set 3
40.75	15.00	31.18
63.08	15.00	53.19
15.9	2.0	15.6
89.4	89.4	89.4
54 ▾	54 ▾	54 ▾
9 ▾	9 ▾	9 ▾
45.15	15.00	36.38
61.34	15.00	51.88
110.7	110.7	110.7
45 ▾	45 ▾	45 ▾
7 ▾	7 ▾	7 ▾

## User Pages

- Set up custom controller display
- Scrollable list of parameter values
- Display styles include bar graph, numeric and custom messages



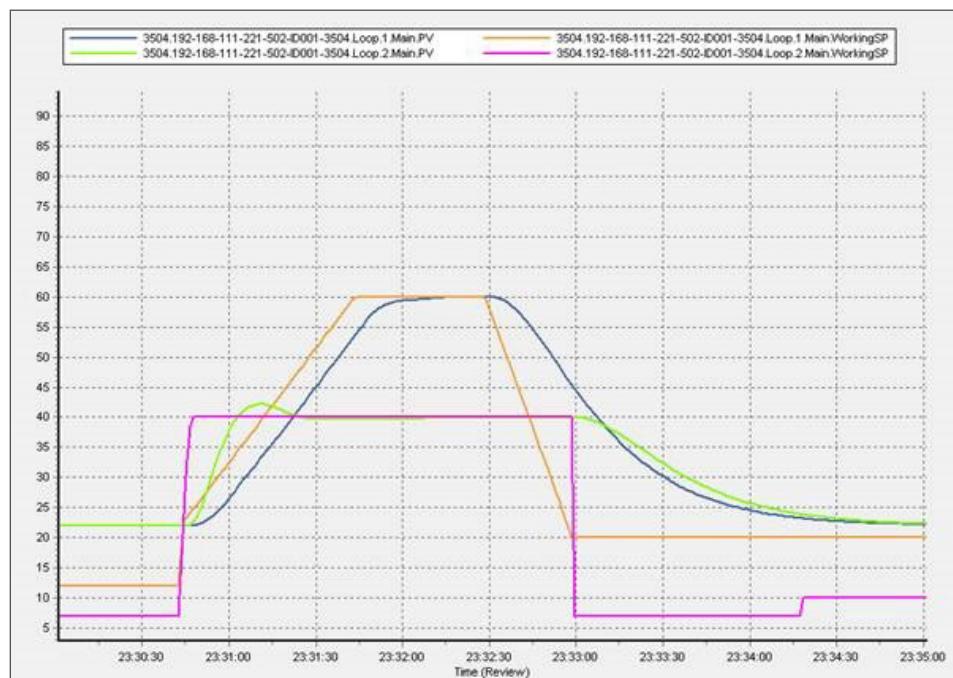
## Cloning

- Configurations defined using iTools can be saved to file on a local PC
- Saved configurations can be reloaded into a compatible device

# Optional Additional iTools Components

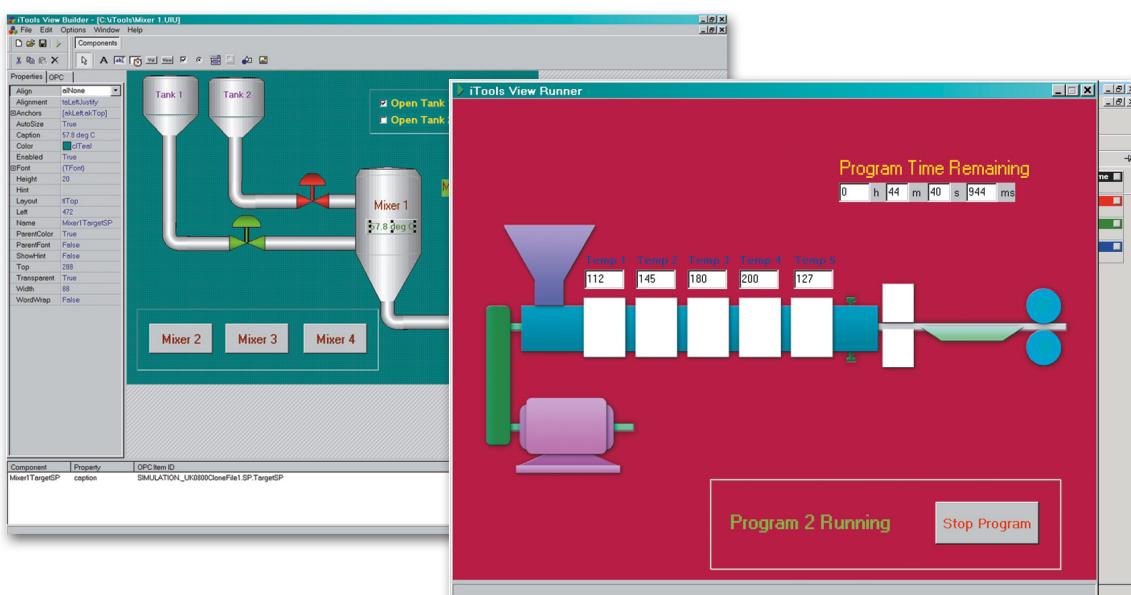
## OPC Scope

- An OPC explorer program that can connect to any OPC DA2 server
- Process monitoring
- Trending
- Data logging
- Watch Recipes
- View live data, with a scalable time axis between 1 minute and 1 month
- Historical review mode
- Data can be written onto the PC hard disk in CSV format and can be analyzed e.g., in an Excel Spreadsheet



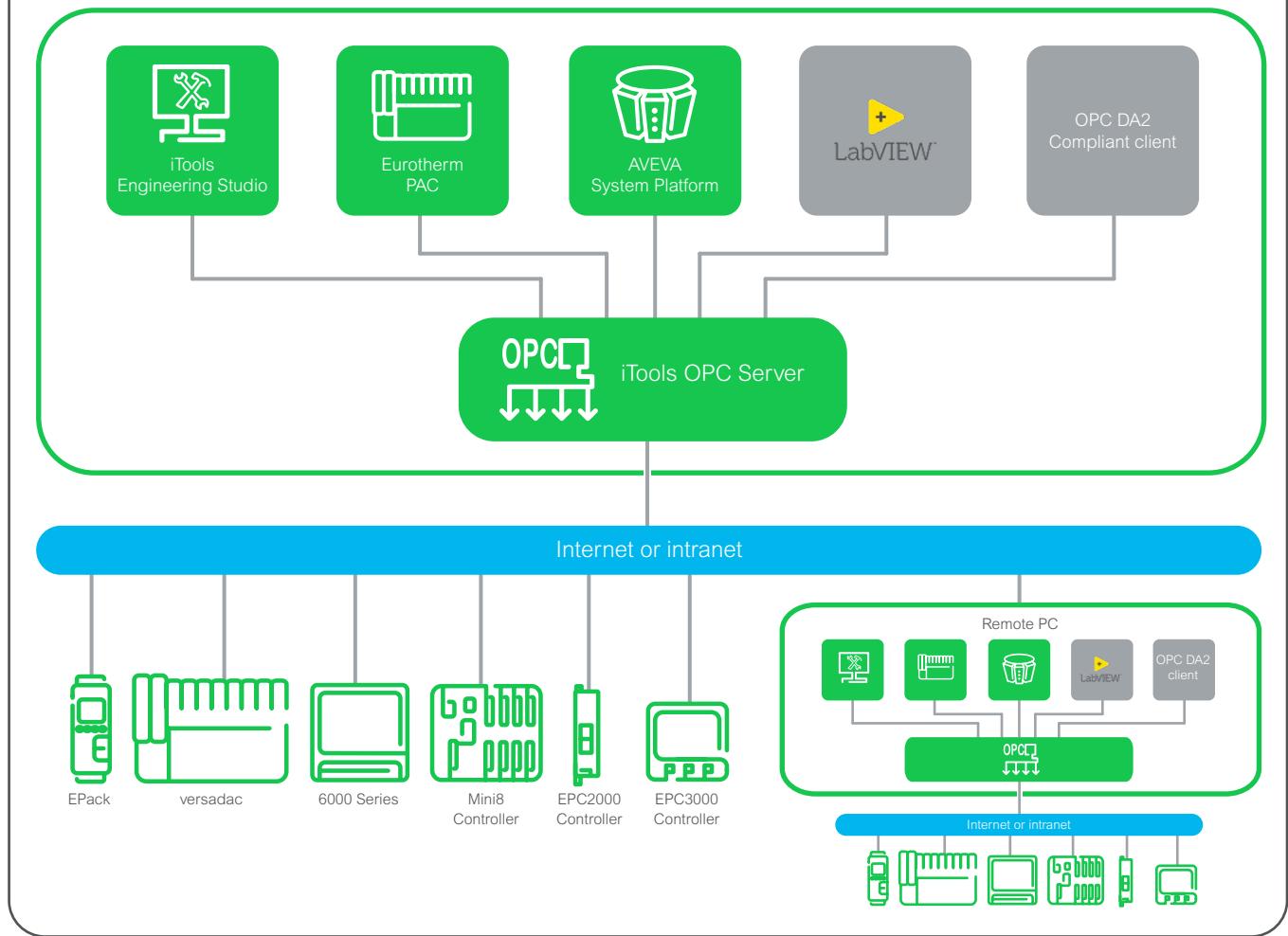
## View Builder / View Runner

- Basic SCADA
- Create custom screens
- Import background images
- User buttons to navigate between screens
- Live data monitoring
- Custom user interface to support process commissioning, diagnostics, monitoring and operation



## OPC Server

- OPC DA2 Server
  - Compatible with any OPC DA2 client:
    - Eurotherm PAC
    - AVEVA System Platform
    - LabVIEW
- Supports
  - Modbus TCP over Ethernet
  - Modbus RTU Serial
- Modbus TCP to Modbus Serial gateway
  - Remote PC access via Internet/intranet to iTools OPC Server
- Automatic network scanning and device detection
- Can integrate any Modbus RTU/TCP communicating device
- Includes advanced communication diagnostic and monitoring tools



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IN PEOPLE**

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