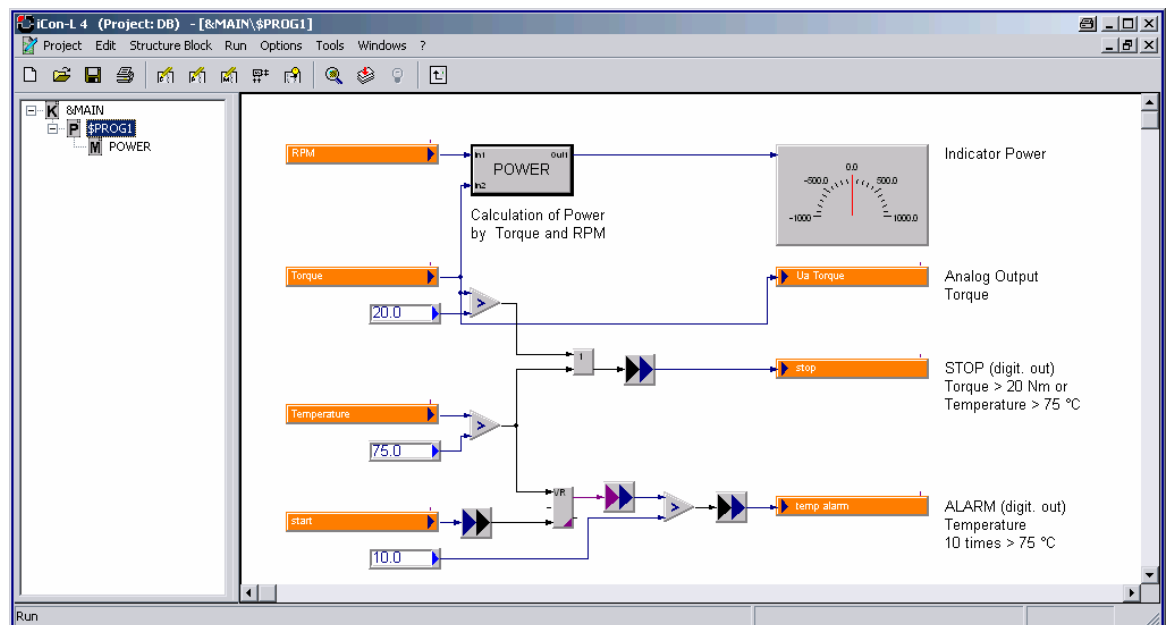


The time synchronized acquisition of measurement data is only part of the needs of today's demanding testing applications. Supervisory Control Functions, Signal Analysis, and more are needed to make a reliable and cost effective system. When an e.series Programmable Automation Controller (PAC) is added to an e.bloxx system all of these capabilities and more can easily be achieved without a permanent Personal Computer involved.

With e.con, the needed PAC control algorithms and functionality can be defined graphically in an intuitive and visually appealing way. The e.con programming environment comes with a large library of predefined algorithms, functions, and User Interface widgets to make any application development fast and easy.



Order Information:

Product	Article No
e.con - Advanced	304373
e.con - Lite limited on 100 function blocks	438987

Graphic user interface

Simple definition of the required functionality for the target e.series PAC by arranging and joining predefined functional components.

Extensive pre-built function library

I/Os, variables, mathematical functions, assignments, transfer elements, time elements, controller, etc.

Simulation and test mode

Simulation of sequences cycle per cycle on the PC and "Online Testing" with the e.series PAC.

Built-in visualization provides transparency

Numerical and graphical notifications placed anywhere in the block diagram speeds construction and debugging.

Documentation

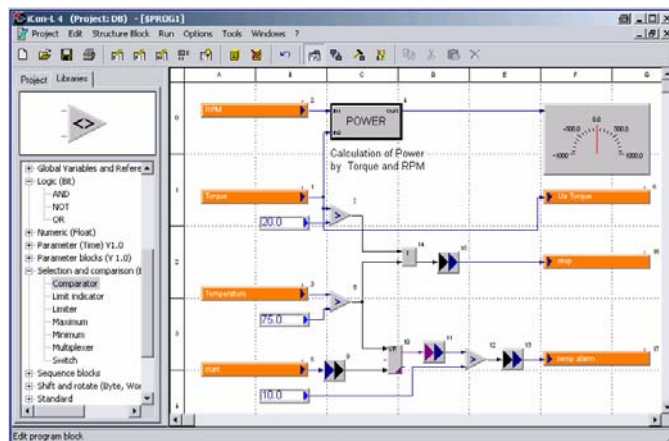
Pictures, diagrams, and text can be included for "Built-in" user documentation.

Start

After starting e.con the I/O variables of the measuring system (e.series PAC) are available. Measurement and I/O channels, the time information of the variables (time stamp) and the status information of the measurement system.

Drag & Drop

Drag & drop the measurement system variables and the functions from the extensive library simply onto the template, align and connect the I/Os of each functional block and the program is being defined in real time.

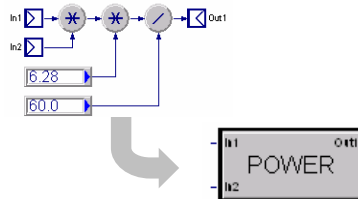


Function Library

The extensive Library provides functions like operational sequence, arithmetic, assortment, edge detection, function generator, logic, numeric, controller, transfer elements, comparisons, counter and time elements, as well as a set of particular function blocks such as hysteresis, tolerance band or random generator.

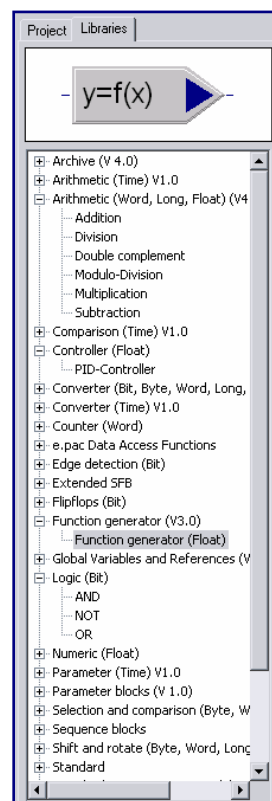
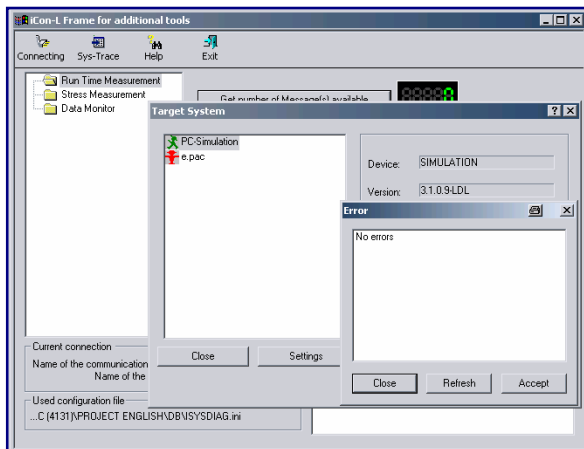
User Defined Macros

User macros can be created for a better overview and faster definition of recurring functions. Calculations (e.g. efficiency out of revolution and torque), sequences or other combinations can optionally be used as components.



Simulation and Online Test

The defined application can be simulated cycle per cycle on the PC. Even online testing in the target PAC is possible. In the PAC the real, measured and acquired, values are being used.



Documentation and Help

The integration of pictures helps to document the defined functionality. Illustrations of sensors, test items, and machine components can be included. Comments can be added to all function blocks.

The extensive help system supports the programming at each single step of the creation process.

