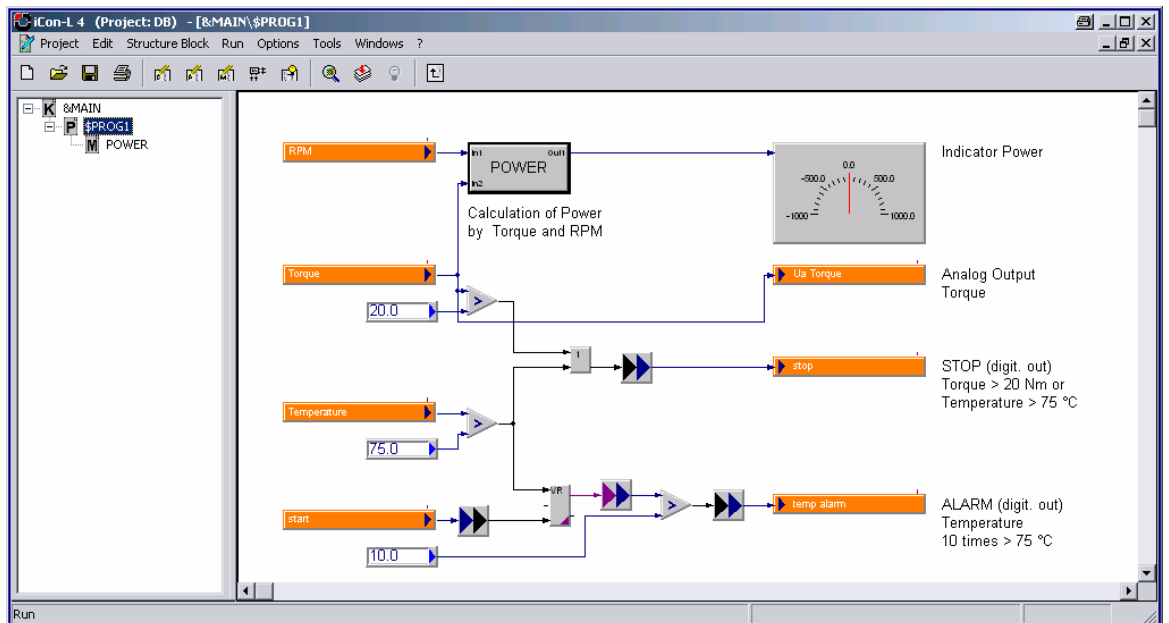


Next to the parallel, independent acquisition of measurement signals the so called “affiliating measurement” is a considerably part in the area of test engineering where applied conditioning and combination of signals is required.

Any functionality consisting of several measurement quantities and I/Os, calculations, combinations, time- and transfer elements, etc. can be realised with the controller e.pac, autarkic - PC-independent.

With e.con the functionality can be defined graphically on the PC - easy and applied. After loading the application into the measuring system it runs PC-independent.



### Order Information:

Product	Article No
e.con	304373

### Graphic user interface

Simple definition of the required functionality for the target device e.pac via arranging and joining the components.

### Extensive functions 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-Tests“ in the e.pac

### Visualisation provides transparency

Numerical and graphical notifications placed anywhere in the block diagram assist the “construction” phase.

### Documentation

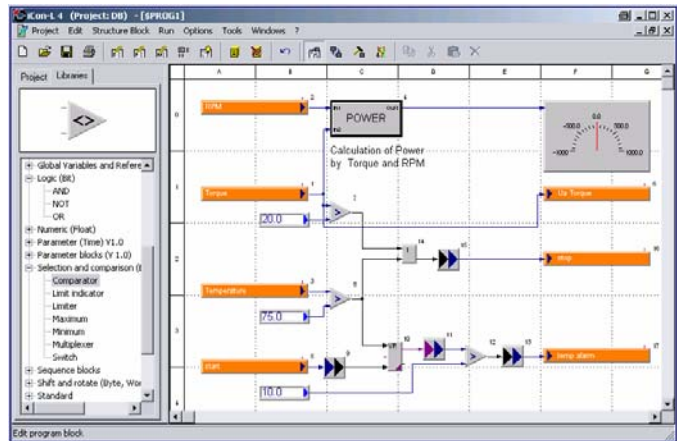
Including pictures and text facilitates the documentation.

## Start

After starting e.con the I/O variables of the measuring system (e.pac) are available. These are for instance measurement- and I/O-channels, the time information of the variables (time stamp) and the status information of the measuring system.

## Drag & Drop

Drag & drop the measuring system variables and the functions of the extensive library simply onto the template, align the I/Os of each functional block and the block diagram is being defined in best time.

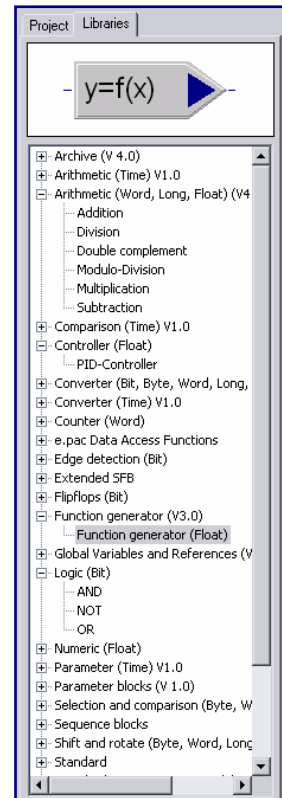
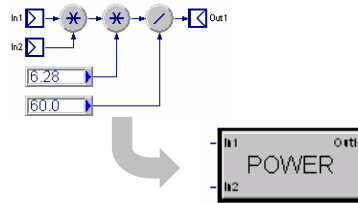


## Functions library

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.

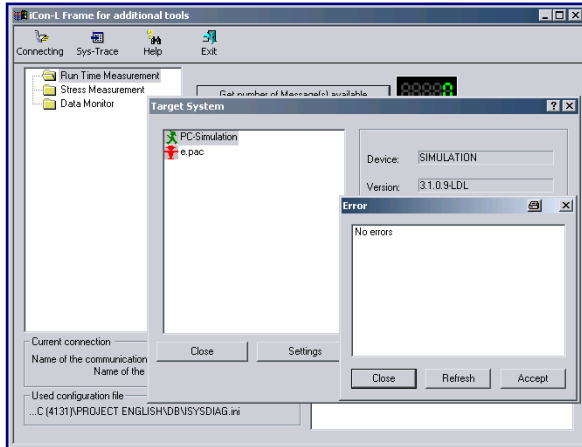
## Macro-techniques

For a better overview and faster definition of recurring functions the macro-technique is a useful tool. Calculations (e.g. efficiency out of revolution and torque), sequences or other combinations can optionally be used for components.



## Simulation and online test

The defined application can be simulated cycle per cycle at the PC. Even an online-test in the measuring system is possible. Here 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 or machine components can be included. Comments can be added to all function blocks.

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

