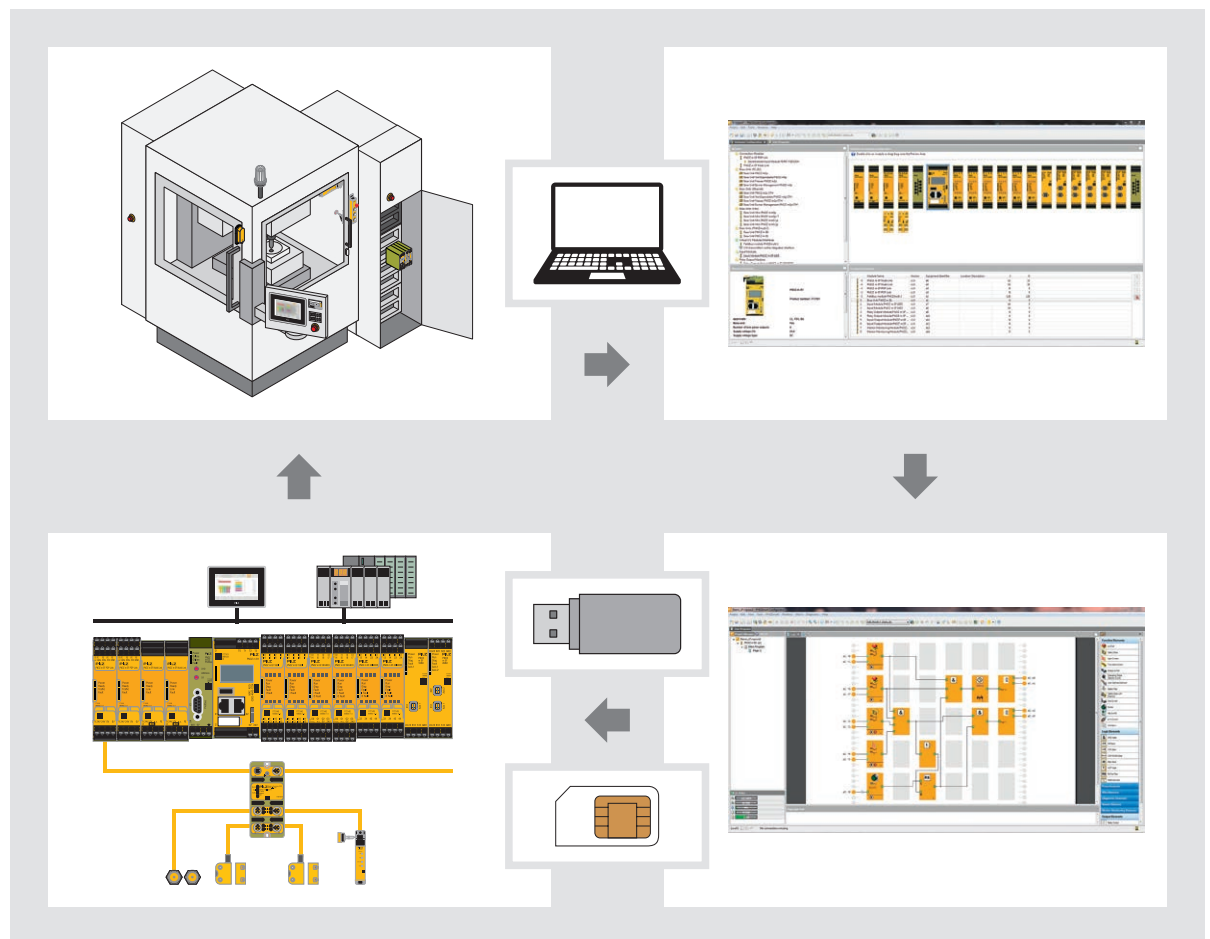


► Configuration software PNOZmulti Configurator

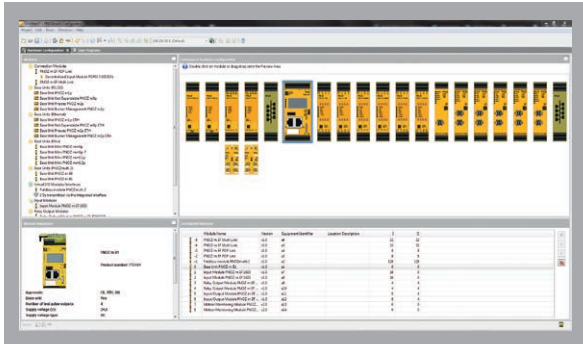


PNOZmulti small controllers make design, configuration, documentation and commissioning simple. Easy diagnostic solutions reduce downtimes on your plant or machinery. Our user-friendly software tools are available to do this. With the PNOZmulti Configurator, you can create your safety circuit on the PC. The software has a broad function and command range so that even large-scale projects can be easily implemented. For user-friendly diagnostics, you can use the tools of the diagnostic solution PVIS. You can keep a close eye on your automation system using the web-based visualisation software PASvisu.



From your application to the solution with PNOZmulti. Configure the hardware and the safety circuit using the convenient software tool PNOZmulti Configurator. This shortens your time-to-market and allows you to harness great cost-saving potential in all engineering phases – from planning all the way to maintenance!

- all-in-one



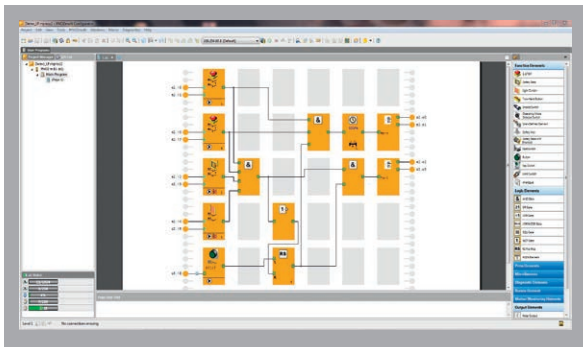
Simple hardware configuration by means of drag&drop.

Versatile – without programming knowledge

First select the necessary hardware by drag&drop.

The hardware consists of a base unit and, if necessary, expansion modules. The number of available inputs and outputs is displayed in table form. The software tool provides support, for example, by listing the expansion modules available for the selected base unit. The tool can also help if the permitted number of expansion modules has been exceeded or if the modules have been positioned incorrectly.

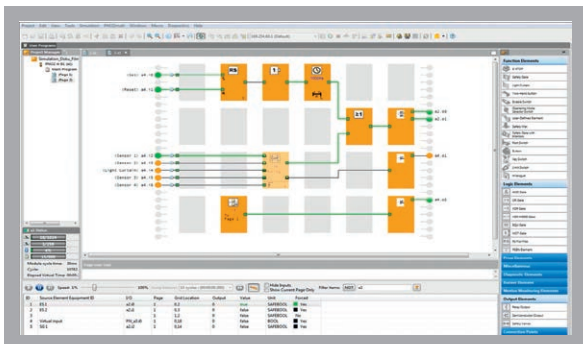
Video tutorials – we provide a video tutorial on our website for every new release.



Simple application creation, linking using the mouse.

Mouse used for wiring

All elements of a safety circuit are available to you on the Windows® standard graphics-based user interface as function blocks for input elements such as emergency stop, safety gates, light curtains, analogue measurement values. Relays, semiconductors or safety valves can be selected as output elements. Special applications such as burners, motion monitoring, presses, authorisation, operating mode selection and more can also be conveniently drawn to the user interface, configured for the specific application and linked using logic elements. Comprehensive diagnostic options increase the plant availability and reduce downtimes.



The state of the inputs and outputs of the configured elements and the connections between the elements are displayed.

Error-free through offline simulation

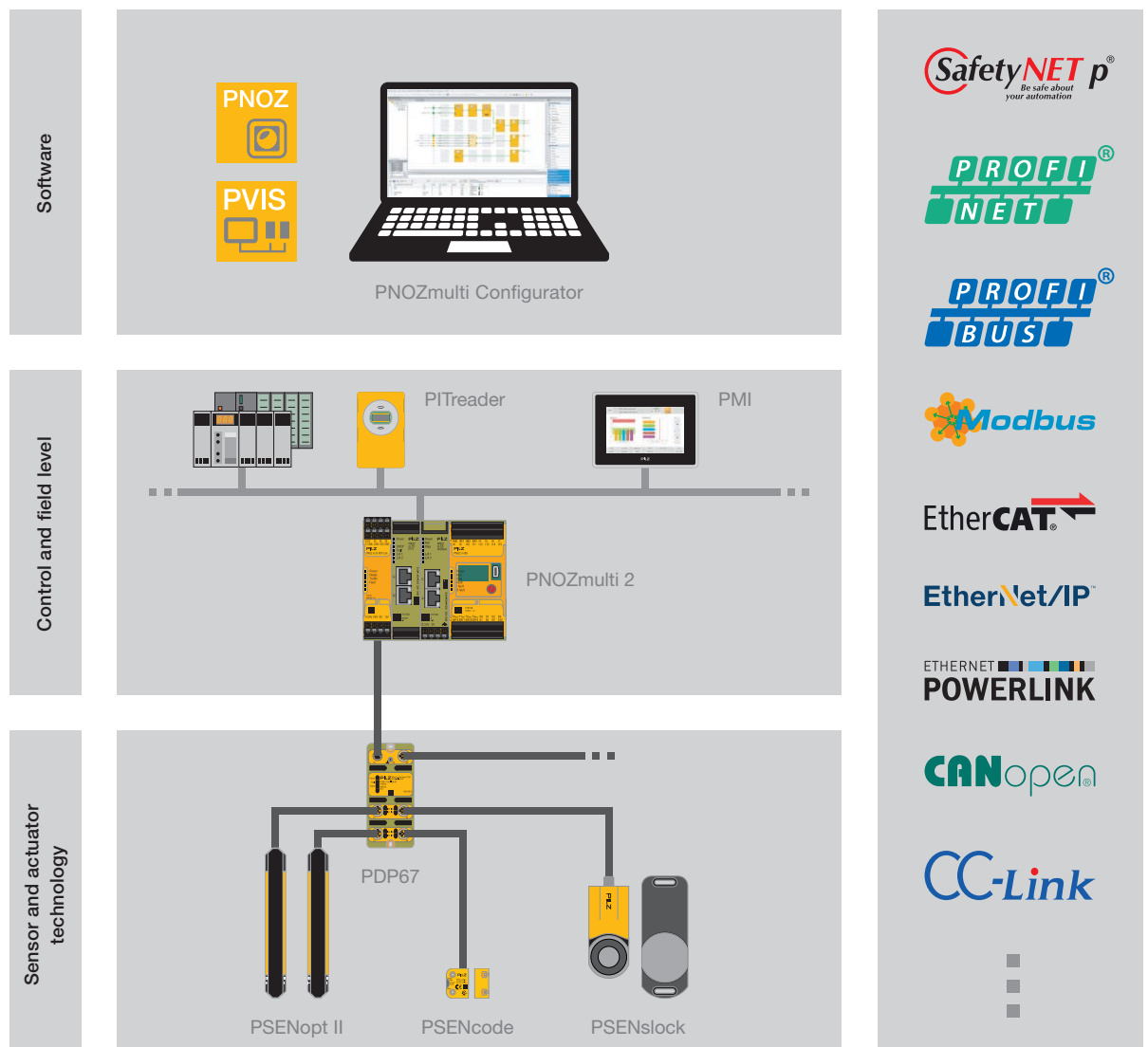
From version 10.9 onwards you can already test your configured user program without the need for hardware by using the Simulation function before commissioning. Simulation opens up considerable savings potential in project planning through the verification of complex logic at the click of a mouse. Simulation helps to reduce risks for human and machine and to lower installation costs.

Online information at www.pilz.com/pnozmulti-tools

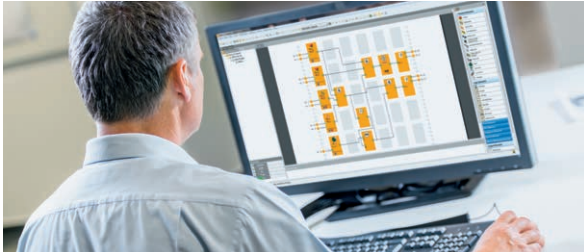
► Optimum visualisation and simple diagnostics



The configurable safe small controllers PNOZmulti provide you with many options for performing diagnostics: for high plant availability and minimal downtimes. In the software tool PNOZmulti Configurator the diagnostic solution PVIS is only a click away. Or you can rely on our operator terminals PMlvisu with the preinstalled visualisation software PASvisu. You can send status messages to the connected PLC controller via the interfaces Ethernet TCP/IP or Modbus TCP or using the fieldbus module. PNOZmulti units can be connected to all common communication networks.



Small controllers PNOZmulti 2 – complete solutions in combination with the web-based visualisation software PASvisu, the operator terminals PMI, the access permission PITreader, the safe sensor technology PSEN and the decentralised periphery PDP67!



Reducing downtimes using the diagnostic solution PVIS

Reliable and easy diagnostics are a prerequisite for enabling plant and machinery to manufacture efficiently, cost effectively and without interruption. With PVIS Pilz has developed a universal diagnostic solution for the entire range, from small machines to large plants. PVIS helps to visualise diagnostic information for PVIS-enabled controllers, such as small controllers PNOZmulti or drive technology PMC. Together with the PMI operator terminals, this provides you with a complete, fully integrated diagnostic solution. With the PVIS OPC and OPC UA tools, PVIS is available on the basis of standard software interfaces so that it can be integrated in almost any environment. The OPC UA standard is used for Smart Factory plants within the framework of Industrie 4.0. If a fault occurs, features such as plain text messages with precise information on the location, clearly defined responsibilities and integrated first fault display all ensure that production is quickly restarted. The PNOZmulti Configurator contains the PNOZmulti project, texts for diagnostics, proposed solutions and much more. The benefits are obvious: simpler project development, greater flexibility and reduction of downtimes.

Your benefits at a glance

- ▶ Saves time when trouble-shooting and rectifying faults – the machine can be restarted quickly
- ▶ Using the plain text messages, machine operators immediately know which fault has occurred
- ▶ Active support for the operator in rectifying the fault with step-by-step instructions
- ▶ PVIS names the person responsible for rectifying the fault – e.g. a maintenance engineer
- ▶ Less time between machine standstill and starting up again

Keep up-to-date on the software tool "Diagnostic solution PVIS":

Webcode:
web150398

Online information at www.pilz.com



Operator terminals PMlvisu with visualisation software PASvisu.

Connection of the configurable safe small controllers PNOZmulti to the visualisation software PASvisu

Use perfectly matched software and the appropriate operator terminals to visualise your plant that uses the small controllers PNOZmulti.

Your benefits at a glance

- ▶ Simple, intuitive handling and maximum suitability for use
- ▶ Use of current web technologies: HTML5, CSS3 and JavaScript
- ▶ Few downtimes thanks to remote access with genuine Client/Server functionality

Further information on PASvisu and PMlvisu can be found on pages 176 and 182.