



AUTOMATED

PROCESS

L I M I T E D

...innovative know-how

- Sensor Technology
 - Control Devices
- Configurable Small Controllers
 - Controllers
- Drive Technology
- Service Robotics Modules
 - Networks
- Operating & Monitoring

Machine Safety & Automation Systems

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- 
- PILZ



SENSOR TECHNOLOGY

- o Device for position monitoring (**PSENrope** and **PSENenco**)
- o Safety Switches (**PSENmech**, **PSENmag**, **PSENcode**, **PSENbolt** and **PSENhinge**)
- o Safety gate systems (**PSENmech**, **PSENmlock**, **PSENSlock** and **PSENsgate**)
- o Optoelectronic sensors (**PSENopt** and **PSENscan**)
- o Safe camera systems (**SafetyEYE** and **PSENvip**)
- o Tactile sensors
- o Safe radar systems (**LBK System**)
- o Software



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CONFIGURABLE SMALL CONTROLLERS

- o Configurable Control System (**PNOZmulti 2**)
- o Configurable Compact System (**PNOZmulti Mini**)
- o Configurable Safety System
- o Software (**PNOZmulti, PVIS and PASvisu**)



CONTROLLERS (PSS 4000 automation)

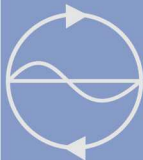
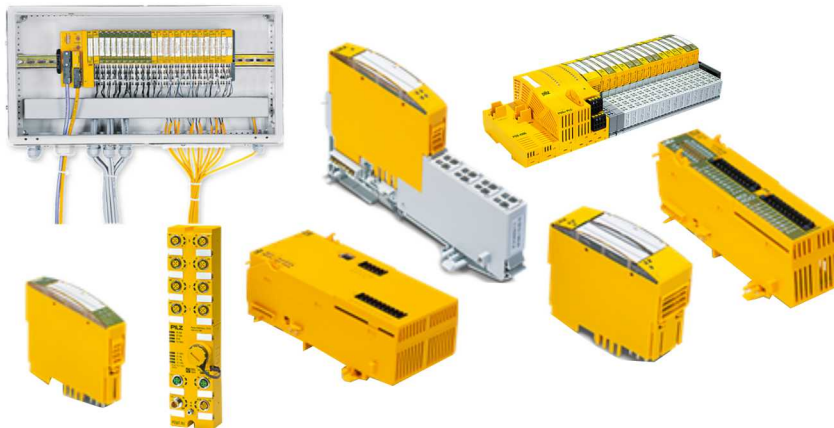
- o PLC Controllers

 - (PSSuniversal PLC controller and PSSuniversal multi controller)

- o I/O Systems PSSuniversal

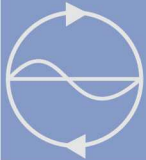
- o **PSS67** - controllers with protection type IP67

- o Software (**PAS4000** and **PSSuniversal Tools**)



DRIVE TECHNOLOGY

- o Motion Control System (**PMcprimo**)
- o Servo Motors (**PMctendo**)
- o Servo Amplifiers (**PMctendo DD**, **PMcprotego D**, **PMcprotego DS** and **PMCenergy SD**)
- o Software (**PASmotion** and **PASconfig Sdrive**)



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- ## Control modules - PRCM

- o Safe fieldbus and ethernet systems (**PSSnet Gateways, Safety NET P – witches & Connectors, PCOM Security Bridge and Revolution Pi**)
- o Safety device diagnostics



- i. E-STOP Pushbutton - **PITestop**
- ii. Pushbutton unit - **PITgatebox**
- iii. Manually operated control devices - **PITjog**
- iv. Operating mode selection and access permission system – **PITmode**
- v. Enabling switch - **PITenable**
- vi. Muting lamps - **PITsign**
- vii. Control elements - **PIToe**

0 Operator Devices & Terminals

- i. **PMlopen** – the open platform operating terminal
- ii. Tools for the diagnostic solution - **PVIS**
- iii. **PMIcontrol** and **PMIprimo** operating terminals
- iv. SCADA Visualisation - **Zenon**
- v. **PMIvisu** - the visualisation terminal
- vi. **PASvisu** - web-based visualization software



OUR INDUSTRIAL SOLUTIONS AND SERVICES OFFERING



1. Liquid/gas storage/buffer tank level measurement and control
2. Liquid/solid dosing/filling/batching systems
3. Utility liquid/gas metering and inventory systems
4. Fluid loading and unloading systems
5. Industrial safety systems
6. Energy monitoring and management systems
7. Condition monitoring and control systems
8. Instrument maintenance and calibration services
9. Process plants/machines instrumentation and control
10. Compressed air quality solution according to ISO8573
11. Compressed air/gas leak detection and control
12. Control valves system design, assembly and services
13. Industrial wireless and IoT systems
14. Motors, pumps and fans monitoring and controls
15. Electrical panel building components, accessories and services

INDUSTRY

- Food and Beverage
- Pharmaceuticals
- Cement and Chemicals
- Plastics, Printing and Packaging
- Marine, Oil & Gas
- Power and Energy



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