

Press Message

15.05.2023

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**Pilz at THERMPROCESS 2023, Hall 09,
Stand B10 - Safe burner management
systems for furnaces - All-inclusive safety,
where there's a burning need!**

Ostfildern, 15.05.2023 - At THERMPROCESS, the international trade fair for thermo process technology, the automation company Pilz will be presenting its burner management systems, which can be used to control and monitor burners in compliance with the standards. Pilz's failsafe systems for the industrial burner management sector not only control and monitor the furnace but also different burner types. Users receive safe hardware and software as a complete one-stop package for their furnace. Both the systems and the software from Pilz are certified to the relevant standards for thermal processes, steam boiler plants, automatic burner control systems and burners.

Pilz hardware and software controls and monitors safety functions on furnaces, including pressure, temperature and flame monitoring, safely running through the burner installation start-up (pre-flushing, igniting, etc.) and the shutdown (afterburning, shutting down, etc.) sequences, for example. Also, the safe monitoring of the fuel-air ratio and the control of valves, flaps and actuators, as well as the starting up and

shutting down of valves, and finally the control and monitoring of high-temperature plants.

In addition to metalworking, application areas include the glass and ceramics industry, the food and confectionery industry as well as cane sugar or ethyl alcohol production, the paper industry and the automotive industry, plus petrochemicals or gas processing.

One component for the entire burner application

Pilz also has its base unit PNOZ m B1 Burner from the safe small controller PNOZmulti 2 at the trade fair in Düsseldorf. It provides safe monitoring and safe control of furnaces simultaneously with just a single system. It is used to control and monitor both the burner itself and the entire furnace. This is made possible by the burner function block in the software. It emulates the advanced functionality of an electronic automatic burner control system with flexible configuration – up to 12 burner function blocks can be configured per base unit, i.e. burners can be controlled and monitored safely. This includes various burner types, such as master and slave burners, direct or indirect ignition, low or high temperature operation. Thus users save time when designing and engineering their furnace.

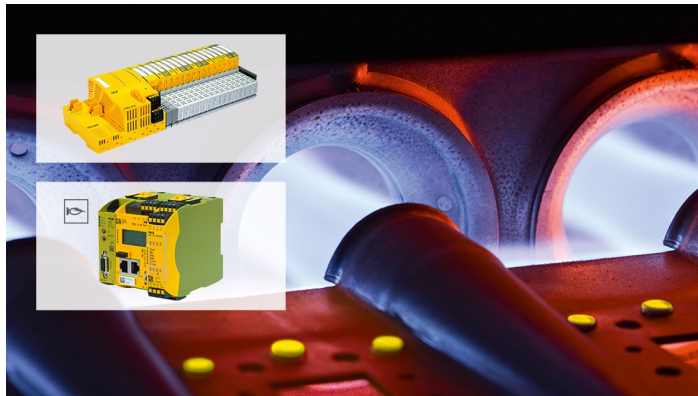
Implement even large burner projects safely

On its stand Pilz also has its automation system PSS 4000, used to implement large burner projects. With the PSSuniversal PLC controllers in conjunction with the corresponding I/O modules, it provides a personalised, adaptable solution – all controller systems can be custom-created to customers' requirements in the burner area. The open PSS 4000 solution enables decentralised control of all the burners in the application, largely irrespective of the number of burners to be controlled and their physical arrangement. The system can also be used as a standalone controller or as part of a network. Integrated, comprehensive diagnostics increase the productivity of the burner area.

Certified for international use

A burner management system for automatic operation of a burner plant must meet numerous international standards. Systems from Pilz meet various national and international standards: Above and beyond TÜV certification in accordance with the European standards EN 298, EN 50156-1 and EN 50156-2, there is also certification to UL 60730-1 and UL 60730-2-5 of the Underwriters Laboratories (UL), for example, and the requirements of NFPA 85, NFPA 86 and NFPA 87 for USA and Canada and AGA of the Australian Gas Association are also met. Certifications enable companies/users to access the corresponding markets. On the Pilz stand, Pilz experts can advise on all questions relating to standards.

Further information on our trade fair presence is available [here](#)



Caption:

You can find texts and images for downloading at:

<https://www.pilz.com/en-INT/company/press/messages/articles/237979>

Pilz - The Spirit of Safety

Pilz is a global supplier of products, systems and services for automation technology. As a pioneer of safe automation, Pilz creates safety for human, machine and environment. Founded in 1948, today the family business with its head office in Ostfildern is represented worldwide with 2500 employees in 42 subsidiaries and branches.

The technology leader offers complete automation solutions for Safety and Industrial Security on the machine. These include sensor, control and drive technology - as well as systems for industrial communication, diagnostics and visualisation. An international range of services with consulting, engineering and training completes the portfolio. Pilz solutions are used in many industries beyond mechanical engineering, such as intralogistics, packaging, railway technology, or the robotics sector for example.

Pilz in social networks

In our social media channels we give you background information concerning the company and the people at Pilz, and we report on current developments in Automation Technology.



<https://www.facebook.com/pilzINT>



https://twitter.com/Pilz_INT



<https://www.youtube.com/user/PilzINT>



<https://www.xing.com/companies/pilzgmbh%26co.kg>



<https://www.linkedin.com/company/pilz>

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