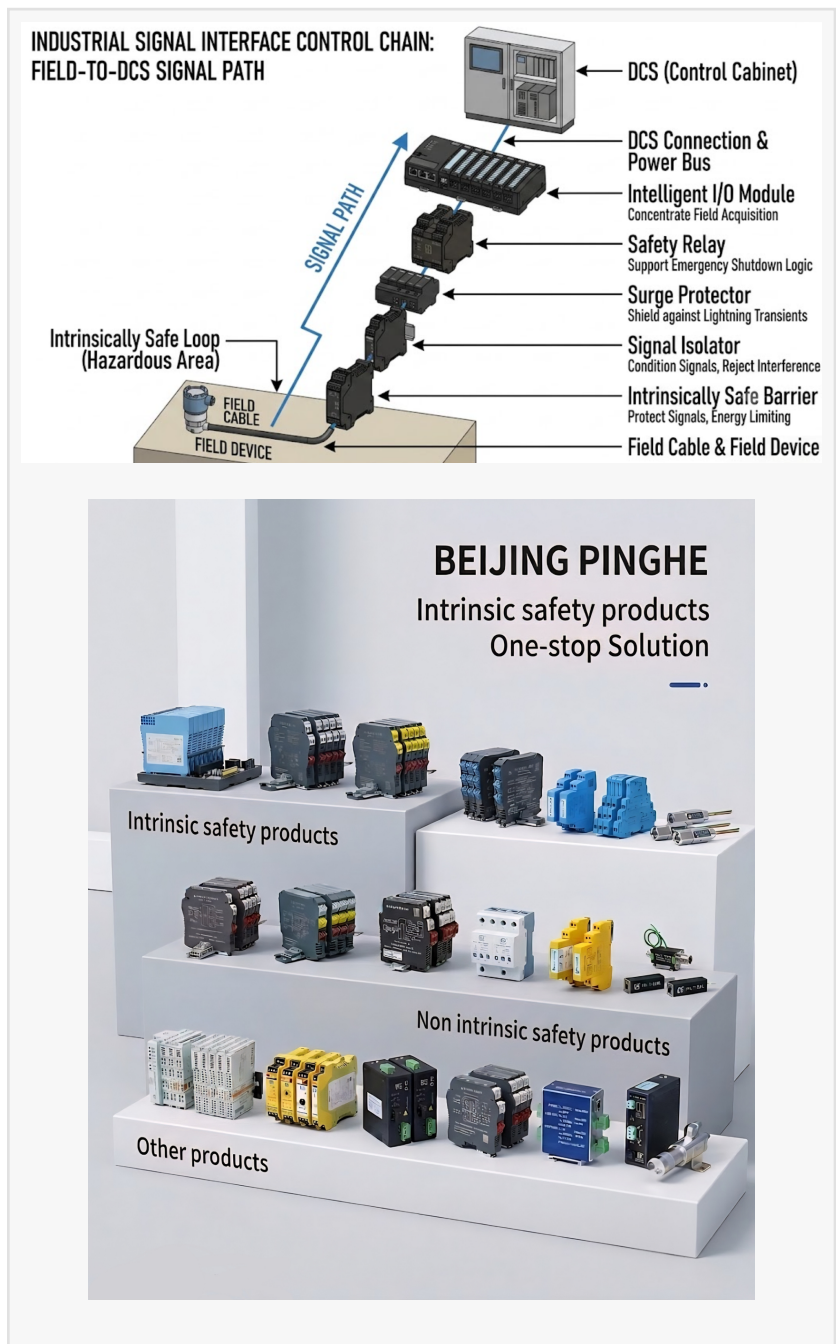


From R&D to Global Delivery: Beijing Pinghe One-Stop Signal Interface Solutions at CIPPE and MICONEX

BEIJING, BEIJING, CHINA, August 19, 2026 /EINPresswire.com/ -- [Beijing Pinghe](#) showcased its [one-stop industrial signal interface solutions](#) at CIPPE (China International Petroleum & Petrochemical Technology and Equipment Exhibition) in 2026, following its featured presence at the 33rd MICONEX International Measurement Control and Instrumentation Exhibition in 2025. At both events, the company presented how its product portfolio forms a complete control chain for oil and gas and process plants: intrinsically safe barriers protect signals in hazardous areas, signal isolators reject interference on the loop, surge protectors shield against lightning transients, safety relays support emergency shutdown logic, and intelligent I/O modules concentrate field acquisition. This integrated lineup addresses the engineering reality that a modern control system needs coordinated protection at every stage of the signal path, from the field device to the DCS.

One-Stop Signal Interface Portfolio on Display

Through these industry exhibitions, engineers and procurement teams gained a direct, comprehensive view of Beijing Pinghe's one-stop signal conditioning portfolio. Spanning the



entire signal chain, the company's solution covers every critical interface: on the hazardous-area side, Beijing Pinghe's isolated safety barriers with ATEX, IECEx, and SIL3 certifications handle energy-limiting functions for field instruments; on the control cabinet side, its signal isolators condition analog and digital signals while blocking ground loops and electromagnetic interference; completing the chain, Beijing Pinghe's surge protective devices guard these same signal paths against lightning-induced transients—a crucial safeguard for plants operating long cable runs in high-lightning regions.



The chain continues with safety relays used in safety instrumented systems for emergency shutdown functions, and intelligent I/O modules that concentrate field acquisition into the control system. For buyers attending CIPPE and MICONEX, the value of seeing these categories from one manufacturer is the ability to match every stage of the control chain to a single supply source. This simplifies the specification work that otherwise spans multiple vendors, each with separate documentation and certification files. For system integrators, this single-source approach also reduces the engineering time spent reconciling different certification formats and terminal layouts between vendors, allowing the cabinet design phase to proceed on a consistent set of specifications. The exhibitions also gave engineers direct access to the product families behind the control chain, allowing them to compare terminal layouts, isolation ratings, and configuration options across categories in one place.

Automated Assembly Line: 8,000 Units Per Day

The manufacturing capability behind the portfolio was demonstrated by the automated intelligent assembly line that Beijing Pinghe has brought into operation. The line reaches a daily output of 8,000 units, roughly three times the capacity of a conventional production approach. The line covers laser marking, print inspection, PCBA assembly, housing assembly, electrical testing, terminal assembly, and top-cover assembly in sequence, with seven automated inspection stages protecting quality through the full process.

The production data confirms the scale of the investment. Each product completes its identity binding within 14 seconds, and key process parameters are uploaded in real time at every critical station. This real-time parameter capture feeds a full-process traceability system that improves data analysis efficiency by 90 percent compared to manual record keeping. For buyers who audit supplier manufacturing systems, the traceability chain from raw material to finished unit is available in a form that supports both quality verification and production planning.

Full-Process Traceability and Flexible Production

At Beijing Pinghe, the automated line is designed for flexible production that adapts to multi-

variety, small-batch orders. This matters for industrial signal interface products because a single project often requires different combinations of safety barriers, isolators, and surge protectors with distinct configurations. The flexible line shortens the changeover cycle between product variants, which lets the company respond to project-specific orders without the setup penalty that rigid high-volume lines carry.

The combination of the 8,000-unit daily capacity and the flexible changeover capability gives buyers both volume assurance and configuration flexibility. For EPC contractors and system integrators working on oil and gas projects with tight schedules, the documented 14-second identity binding and the seven inspection stages provide visible evidence that each delivered module can be traced back through its production history. This traceability extends to the after-sales side, where a field inquiry about a specific module can be answered with its production and test records. The traceability also supports the compliance review that oil and gas projects require, where the manufacturer must demonstrate that certified components were produced under controlled conditions matching the certification record. The flexible production approach also benefits spare parts supply: a plant that needs a specific barrier configuration for an expansion can request a production slot matched to the original module specification, with the same traceability records attached.

Automated Line vs. Conventional Production

By combining a daily capacity of 8,000 units with seven integrated automated inspection stages, Beijing Pinghe accelerates order fulfillment compared to conventional lines reliant on manual inspection and slow changeover cycles. Real-time parameter logging and end-to-end traceability provide buyers with verified production data for every unit, ensuring faster quality sign-offs and predictable project delivery schedules.

Conclusion

Participating in CIPPE 2026 and the 33rd MICONEX in 2025, Beijing Pinghe demonstrated how its comprehensive signal interface portfolio secures the entire control path—from intrinsically safe barriers and signal isolators to surge protectors, safety relays, and intelligent I/O modules. Powered by an automated production base featuring full-process traceability and rapid changeover capabilities, the company backs its portfolio with robust manufacturing strength. Founded in 2004 and with over 20 years of dedicated expertise, Beijing Pinghe continues to supply high-reliability signal protection modules to customers across more than 40 countries and regions worldwide. More information regarding Beijing Pinghe signal interface solutions and product specifications is available at the official company website: <https://www.beijingph.com/>. Product-specific inquiries and media contacts can be directed to the Beijing Pinghe sales team through the website.

Beijing Pinghe Chuangye Technology Development Co., Ltd.

Beijing Pinghe Chuangye Technology Development Co., Ltd.

+ +86 15501038744

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