

Press release

iTAC.CATi combines documentation, live data, and empirical knowledge

productronica 2025: iTAC presents AI-supported knowledge platform for connected production

Montabaur, October 27, 2025 – In modern manufacturing facilities, valuable knowledge is stored in systems, documents, and the minds of employees – often fragmented, isolated, and not centrally available. With the new chatbot iTAC.CATi, MES/MOM provider iTAC Software AG is presenting an AI-supported platform at productronica in Hall A3/342 that intelligently links this knowledge. iTAC product manuals, customer-specific instructions, and live MES data are brought together in a central, context-based knowledge base. The goal: “Living Knowledge” – a learning, secure, and always available source of information for production.

With CATi (Cognitive Agent for Technology and Innovation), iTAC addresses key challenges in modern manufacturing: machines and systems often operate in isolation, interfaces are costly to integrate, and relevant data is scattered across different formats and applications. Problems often occur after production stoppages, alarms remain without context, and decisions are based on

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incomplete information. At the same time, valuable practical experience is lost because it is not systematically recorded and shared.

iTAC.CATi closes these gaps by creating a shared, context-based knowledge base that seamlessly connects data, documents, and human expertise. Knowledge is made available where it is needed – directly in production, in real time, and without detours. This allows decisions to be made on a more informed basis, errors to be detected more quickly, and processes to be designed more efficiently.

“With the CATi chatbot, we bring knowledge directly to the shop floor. Our customers get a solution that combines experience, documentation, and live data into a living knowledge network. This is the next step toward self-learning, secure, and connected manufacturing,” explains Andreas Zerfas, VP Production Management at iTAC Software AG.

Local AI and edge computing for secure knowledge delivery

CATi uses local AI models, knowledge graphs, and edge computing to provide information immediately and securely – without a cloud connection and with full data sovereignty.

The platform offers targeted support to all stakeholders: executives gain transparency into processes and key performance indicators, line managers receive well-founded recommendations for action, and shop floor employees have access to clear, multilingual instructions. An intuitive conversational interface allows questions to be asked in natural language – CATi immediately provides accurate, context-sensitive answers.

Holistic ecosystem for smart manufacturing

iTAC.CATi is an intelligent AI-supported chatbot that complements the company's existing portfolio, which includes the modular iTAC.MOM.Suite and iTAC.MA.Suite. Together, these solutions form a consistent basis for networked, transparent, and data-driven production.

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iTAC pursues a holistic approach: production errors should be reduced, downtime minimized, and decisions accelerated. The combination of machine integration, real-time data analysis, local AI, and context-based knowledge provision creates a powerful ecosystem for smart manufacturing. With CATi, production processes become more transparent, efficient, and resilient – knowledge becomes a productive factor, available at all times, secure, and context-related.

iTAC will showcase its full range of services at productronica in Hall A3/342.



iTAC now offers an AI-powered knowledge platform for connected manufacturing.

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About iTAC

iTAC Software AG, an independent company of the mechanical and plant engineering group Dürr, is a leading MES/MOM provider. With iTAC.MOM.Suite, the company offers a comprehensive manufacturing management system that is used worldwide by companies in discrete manufacturing. The industries addressed include automotive, e-mobility, electronics/EMS, telecommunications, medical technology, metal industry, and injection molding. Other systems and solutions for implementing IIoT and Industry 4.0 requirements complete the portfolio. Among other things, the company offers the iTAC.MA. Suite for in-depth analyses at the machine, line, and factory levels, as well as AI-supported solutions. iTAC Software AG is headquartered in Montabaur, Germany, and has subsidiaries in the USA, Mexico, China, and Japan, as well as a global partner network for sales and service. The iTAC network includes the companies DUALIS, Cogiscan, and Accevo.

The Dürr Group is one of the world's leading mechanical and plant engineering firms with particular expertise in the technology fields of automation, digitalization, and energy efficiency. Its products, systems, and services enable highly efficient and sustainable manufacturing processes – mainly in the automotive industry and for producers of furniture and timber houses, but also in sectors such as the chemical and pharmaceutical industries, medical devices, electrical engineering, and battery production. In 2024, the company generated sales of €4.7 billion. The Dürr Group has around 18,300 employees and 139 business locations in 33 countries.

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