

Press release

Real-time and historical analyses at machine, line and factory level

iTAC shows: Analyzing the performance of the entire manufacturing environment with just one tool

Montabaur, June 16, 2024 – In production, it is essential to continuously optimize processes in order to ensure efficiency and ultimately competitiveness. Process analysis plays a central role in this and enables companies to understand, evaluate and improve their processes. iTAC (www.itacsoftware.com) offers comprehensive real-time and historical analysis at machine, line and factory level with its "Manufacturing Analytics Control" product family. The associated Asset Analyzer analyzes the performance of the entire manufacturing environment. The solution ensures that machine and process data can be obtained quickly and easily from any machine in production.

The 'Manufacturing Analytics Control' product family from iTAC aims to analyze and optimize manufacturing performance and make predictions about future process quality. It can be used in addition to the iTAC.MOM.Suite manufacturing operations management system, which is designed to plan, control and monitor production processes in real time, but is also offered as a stand-alone solution.

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The Asset Analyzer, a tool from the "Manufacturing Analytics Control" product family, helps companies to identify quality problems in production and increase overall efficiency. The solution can be used across all industries, for example in the automotive, electronics and medical sectors, but also in areas such as injection molding, metal processing and battery production.

Everything in sight – automatic error detection through AI

The Asset Analyzer is a tool or dashboard that enables performance analysis of the entire production environment. "This gives companies a clear insight into current and past performance, which is particularly beneficial for critical machines and processes. Operators can react quickly and efficiently to deviations and gain a comprehensive understanding thanks to the holistic view. It is no longer necessary to call up several systems, as the information can be found centrally in a dashboard. This saves time when searching for deviations and increases transparency at the same time", says Martin Stempel, Business Development Manager Data Analytics at iTAC Software AG.

One particular advantage is the proactive solution to quality problems. Quality parameters can be managed in real time and an AI engine automatically detects errors, for example in electrocoating. Real-time notifications via MS Teams provide information in the case of alarms, events and abnormal behavior, resulting in fewer errors in the production process.

The solution supports the intuitive retrieval of machine or process data in the dashboard. Access to your own data is made considerably easier, as information from various machines and process steps in the production environment can be retrieved quickly and easily.

Applicable without technical knowledge

A key advantage of the Asset Analyzer is its user-friendliness. It is designed for process operators, engineers and management – not just IT or AI specialists. No special skills or knowledge are required to perform in-depth analysis. Dashboards can be configured within minutes. The solution is globally scalable.

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"Many other tools are complicated to use, require special expertise and are often not designed to analyze the entire production environment. In addition, they often have manufacturer or hardware dependencies. Our aim is to provide tools that are not only powerful, but also quick to implement and, above all, easy to use. With the Asset Analyzer, we are paving the way for a comprehensive understanding of performance and thus for higher productivity and quality," says Martin Stempel.

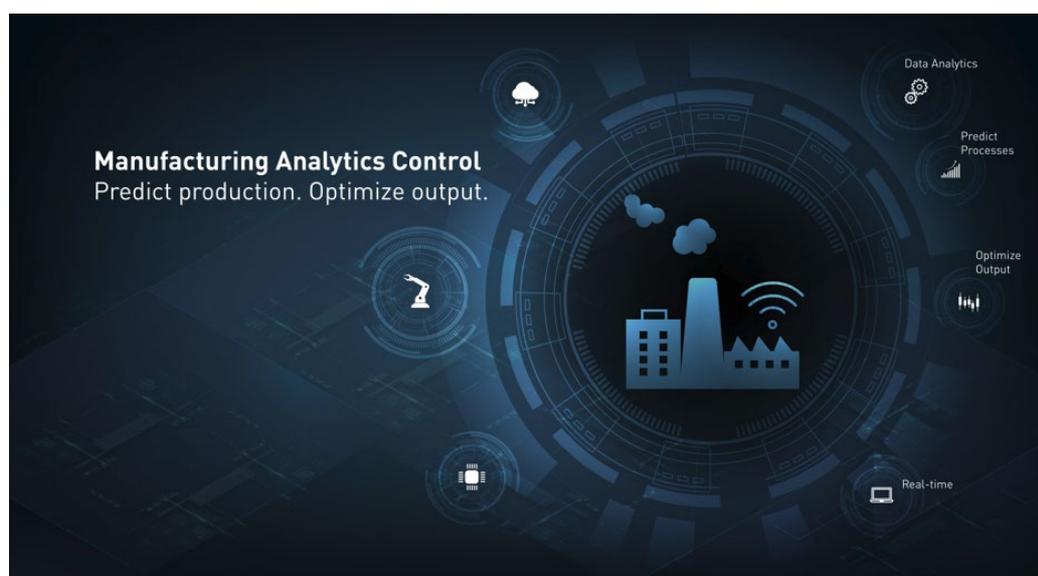


Figure 1: Parum ratquamus quae vellabo. Nequis volor simusae nim ius ium faceribus

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About iTAC

iTAC Software AG, an independent company of the mechanical and plant engineering firm Dürr, provides internet-enabled information and communication technologies for the manufacturing industry. Founded in 1998, the company is one of the leading MES/MOM providers. The iTAC.MOM.Suite is a holistic Manufacturing Operations Management that is used worldwide by companies in different industry sectors such as automotive, electronics/EMS, telecommunication, medical engineering, metal casting and energy. Additional services and solutions for implementing IIoT and Industry 4.0 requirements complete the portfolio. iTAC Software AG is headquartered in Montabaur, Germany and has offices in the USA, Mexico, China and Japan and has a worldwide partner network for sales and service. iTAC's philosophy is to connect people, data and systems.

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 2023, the company generated sales of €4.6 billion. The Dürr Group has around 20,500 employees and 142 business locations in 32 countries, and it operates in the market with five divisions.

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