

symate



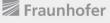


- Manufacturer of the AI-Infrastructure Detact® for automated digitization, structuring and visualization of technology data
- Bundled know-how in mathematics, control engineering and computer science (+20 Employees)
- Founded in 2012 as spin-off of the TU Dresden
- Extensive development partnership with the Dresden Technical University
- Renowned partners such as: FPEPPERL+FUCHS

100+ customers | 300+ connected lines | 20+ active Al-apps











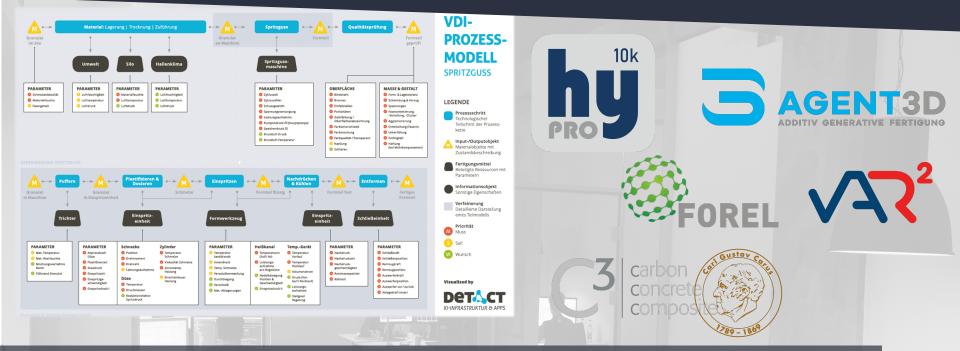








DetAct®



- Intensive research in the fields of high performance computing, AI methods and industrialization of AI (Detact)
- · Ongoing international implementations: UK, USA and China
- Cooperation with various organisations in the field of standardisation or for example the development of guidelines: VDI, IKV, DVI, CU

LEADING THROUGH RESEARCH





Cross-process chain data consolidation and analysis in Detact

Detact is THE tool for the intelligent consolidation of data in manufacturing!

"Detact brings together all relevant data sources at a higher level and automatically analyzes the information obtained. This is perfect for us! In addition, the results are visualized location-independently and in real time."

Institute of Contruction Materials, TU Dresden

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DetAct®

For each data source and any number of interfaces

sources via Detact Connect. Detact captures data volumes that are permanently generated in production. The AI control center even integrates data from physically separate system areas such as machine data, operating data, quality data from measuring and testing devices, peripheral data, environmental data, (Excel) files, data from third-party software such as ERP, BDE or CAQ systems.

Automated direct connection to your data

"It's impressive how many data sources Detact can handle."

Plant management of a Tier 1 automotive manufacturer

Det Act Connect Box

OPC UA/DA Euromap 63/77

ENGEL EMI

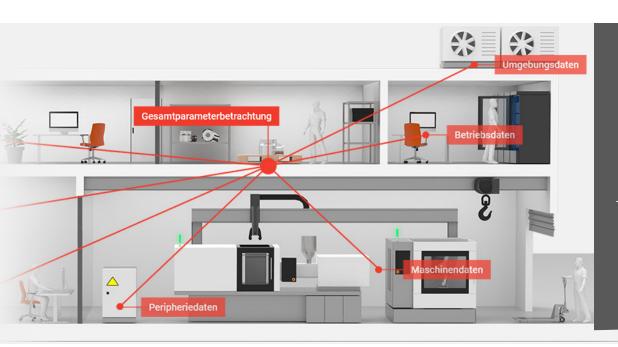
Beckhoff Twincat ADS Siemens S5/S7

LabVIEW Excel

Customize your own Detact Connect Driver Manual Data Collection

+ Mehr anzeigen

Automated Data Merging

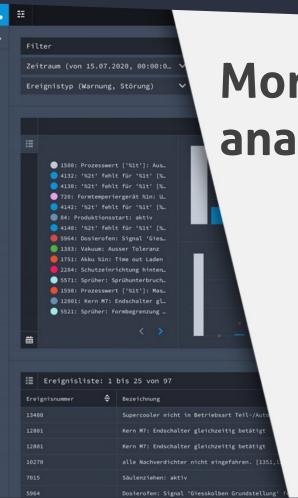


A superordinate platform for the holistic evaluation of processes. Detact is the tool for comprehensive data consolidation and analysis! The AI system links manufacturing parameters, product characteristics and quality features.

If required, this can even be done fully automatically and according to your specific specifications.







More than 20 browser based analytic and diagnostic Apps

Detact automates data analysis and makes it intelligent. Herewith the software system was equipped with a multitude of preconfigured apps and artificial intelligence (AI). At the start of the project, users select an individual app package, which they can expand step by step later.

"What we appreciate about Detact is the high degree of automation with which the program gives us transparency about the decisive process influences."

AUDI AG

Digital assistants for machine operators

Mobile options for recording feedback on operating orders, shifts, errors, malfunctions, part removals, etc. Artificial intelligence supports decisions and facilitates the work of plant operators!

"With the Detact AI system [...], we provide workers with valuable facts with which they can work. It hardly matters in practice what experience the individual employee actually brings with him [...]. In the end, only the data counts!"

Allit Technologie GmbH



Det Act ®

More productivity for your process monitoring

Detact is a superior platform for the synchronization, analysis and visualization of your data! Keep process, quality, peripheral and environmental data in view at all times. Fully automatic!

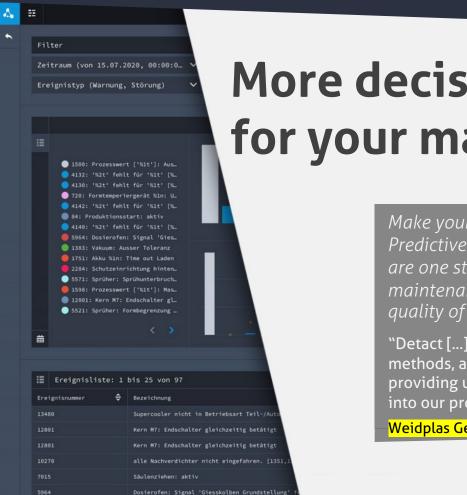
"Symate's flexible AI system generates valuable information for us, which we use to optimize the process so that it runs stably and highly efficiently. At the same time, we have a continuous view of the quality of the products and can identify potential influencing factors at an early stage."

Kunststoff Zentrum in Leipzig gGmbH (KUZ)









More decision making reliability for your maintenance!

> Make your decisions quickly and objectively! The Detact apps for Predictive Maintenance and Condition Monitoring, among others, are one step ahead of your processes. You can plan your maintenance work on the basis of reliable data and ensure the quality of your processes on a predictive level.

"Detact [...] relies on artificial intelligence methods, and we envision the Detact apps providing us with previously unknown insights into our process."

Weidplas Germany



DetAct®

Take the load off your quality assurance!

Detect problems before they occur! With dynamic test concepts you can adjust the test frequency and depth based on a databased process validation. In this way, you sustainably relieve your quality management.

"We are impressed by the automatic merging of operating and quality parameters for crossprocess evaluations."

CarboLife technologies GmbH









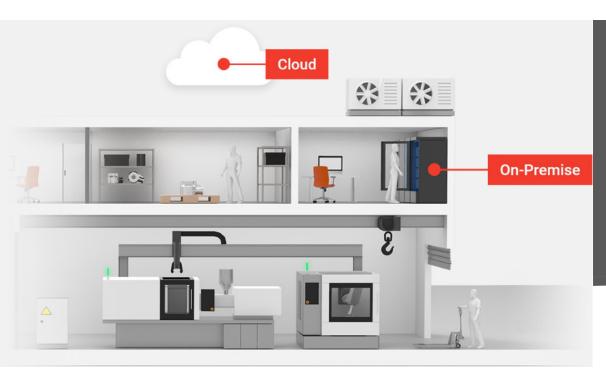
KNOWLEDGE MANAGEMENT



Pilot projects

- Direct connection of selected data sources
- Joint development of representative analysis results
- Development of feasible application scenarios
- Derivation of a productive concept

Cloud or On-Premises



Decide for yourself whether you use Detact via the Symate Cloud or onpremises on your own servers!

"We are glad that the setup of Detact went so quickly and smoothly. The Symate team handled almost all the tasks remotely and got Detact deployed in no time."

Production manager of a renowned specialist for plastics and injection molding technology

Single Server vs. Cluster

Connect your process chains e.g. with a single server solution. If this "small" system convinces you, you can easily expand to any number of servers later. The special architecture of Detact is perfectly suited for Big-Data. The system is highly scalable (clustering) and parallelizable. In contrast to conventional MES and control systems, Detact can record or analyze a large amount of data simultaneously.

HIGH PERFORMANCE COMPUTING



DetAct®

Open for third-party systems!

The basic equipment of Detact includes an open programming interface (API). Thanks to this API, Detact can easily communicate at any time with third party systems such as BDE, MES, simulation or ERP, etc.

And you gain a decisive advantage: you simply continue to use established software systems and tools and at the same time work with the new data diversity and modern analysis methods of Detact.





We are here for you!

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