



DETACT®

Manufacturing Data Experts

Building up a dedicated AI infrastructure with Detact



Staff: around 30 digital natives, experts, developers, designers, managers, sales people, testers, innovators & service experts

Certified processes & model factory as test center

Average age: 32 years; new hiring of 5-6 employees per year



100+ customers | 1.500+ connected lines | 20+ active Al-apps in 2022

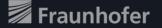


Close cooperation with Fraunhofer and TU Dresden: 10 ongoing research projects in 2022

Way we work: agile, flexible, professional, digital





















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DetAct®



2010: RESEARCH FOUNDATIONS

- Research results from DFG Collaborative Research Center 639
- Funding through the ECEMP Excellence Cluster
 Establishment of the core team at the Technical University of Dresden



2012: SYMATE IS FOUNDED

- Successful spin-off from TU Dresden
 Funding through major programs of the federal government, the Free State of Saxony & the EU
 Symate enters into development partnership with TU Dresden
- Market entry with Detact 1.0



2018: SYMATE EXPANDS IN THE PLASTICS INDUSTRY

- Symate develops for DAX companies like Volkswagen and Covestro
- Launch of new technology stack with Detact 2.0
- Number of employees reached 20



2021: DIVERSIFICATION

- Contract to build the Leibniz Institute's largest Al model factory
- Acquisition of key accounts from battery production
 Move to new office space with 400 sqm
- Number of customer's rises above 100



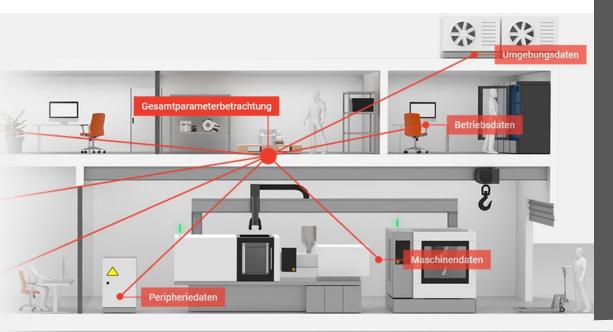
2022: INTERNATIONAL GROWTH

- Installations in UK, USA, China, Vietnam & Singapur Launch of Detact 3.0 with entire new Tech-Stack
- High standardization and self-customizing

FOCUS ON AUTOMATION OF AL

Development with leading global key accounts Integration into European Al Partnership

Automated Data Mergingwith Detact



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.

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

CarboLife technologies GmbH





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



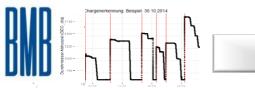
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Connection to data sources



OPERATING DATA " Infor-DB





PROCESS DATA

EU63 / EU77 / OPC





Data fusion and AI deployment





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For each data source and any number of interfaces

Euromap OPC UA/DA 63/77

ENGEL EMI

Beckhoff Twincat ADS Siemens S5/S7

Customize your own **Detact Connect Driver** Manual Data

Automated direct connection to your data 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.

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

Plant management of a Tier 1 automotive manufacturer

LabVIEW

Excel

+ Mehr anzeigen



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15+ Browser-based apps for analysis and diagnostics

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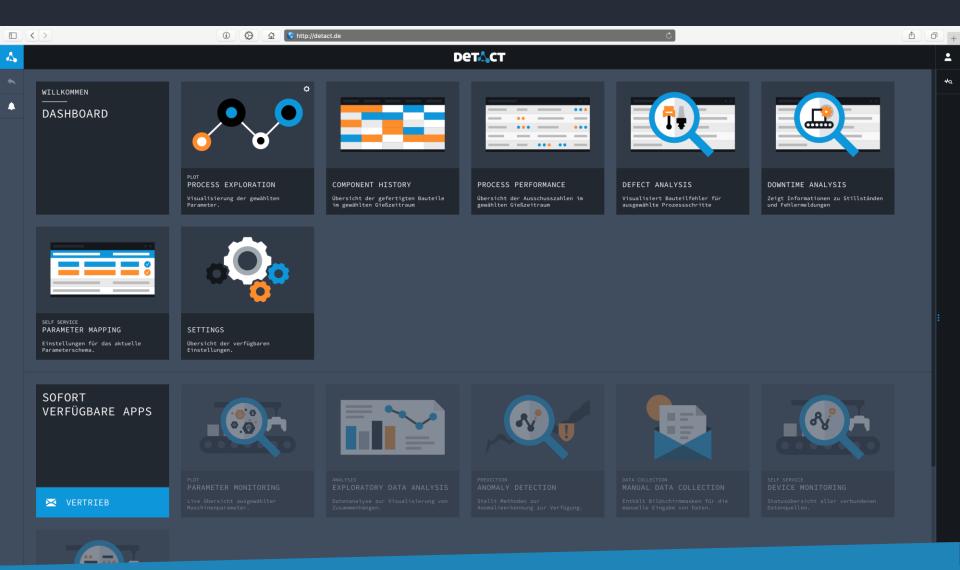
Detact automates data analysis and makes it intelligent. Herewith the software system was equipped with a multitude of preconfigured apps and artificial intelligence (AI). At the start of the project, users select an individual app package, which they can expand step by step later.

"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









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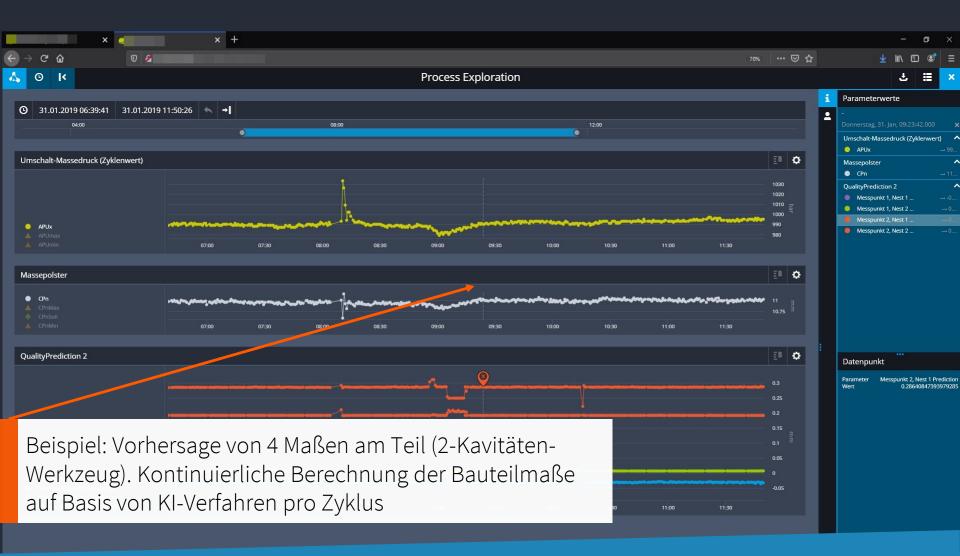






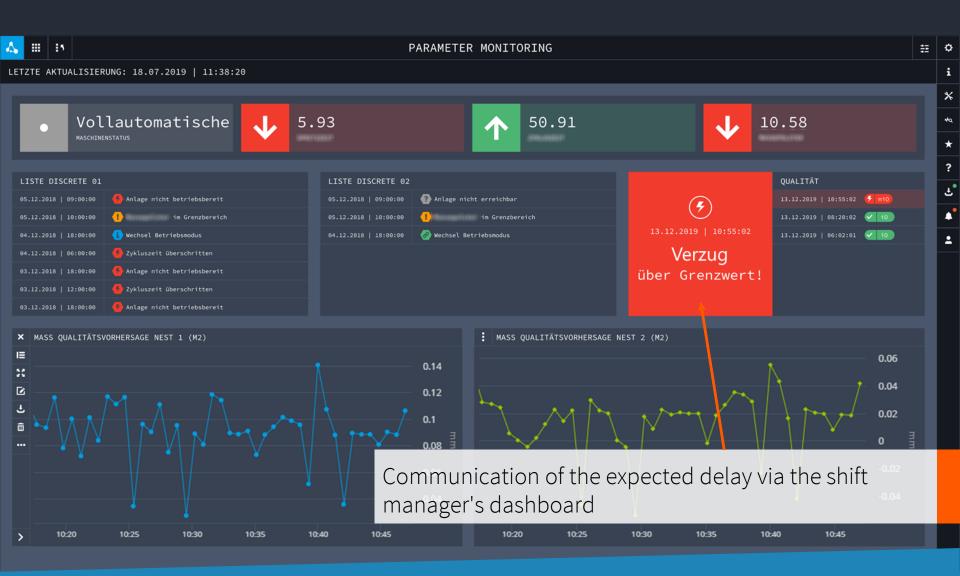


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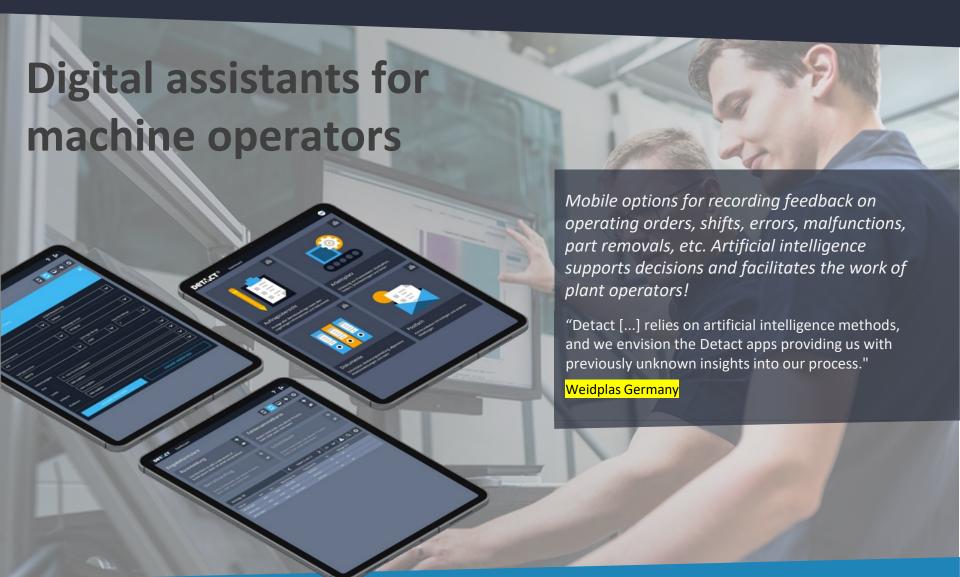


Monitoring and forecasting of process stability

Quality Prediction: Gute Prognosegenauigkeit von NIO Teilen

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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)









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 cross-process evaluations."

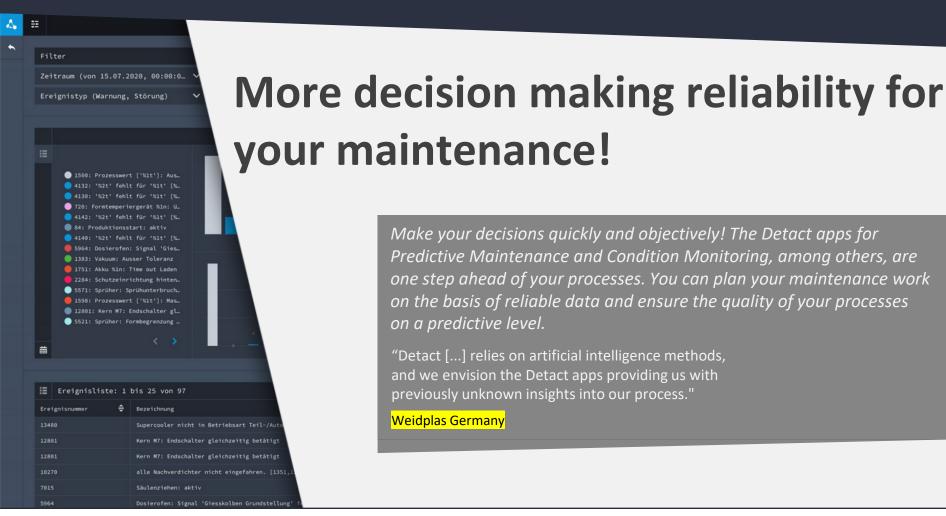
CarboLife technologies GmbH





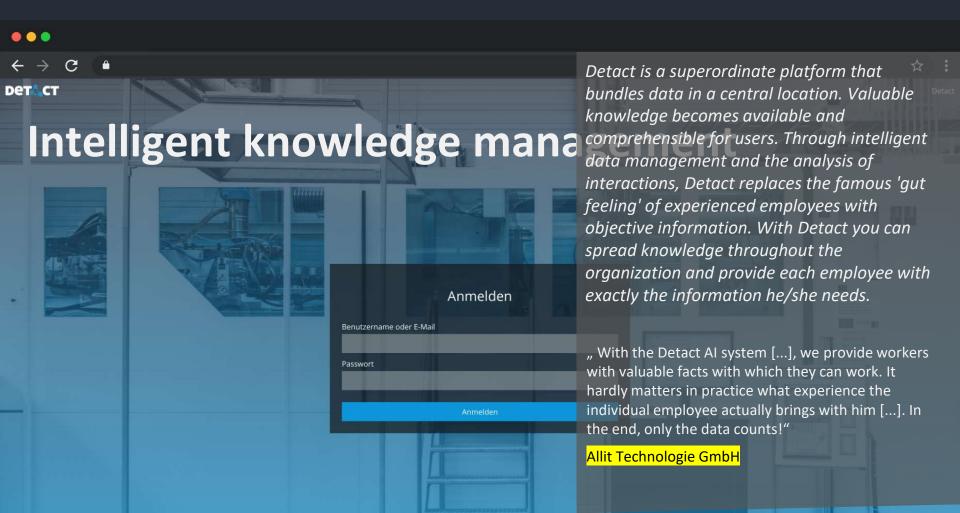
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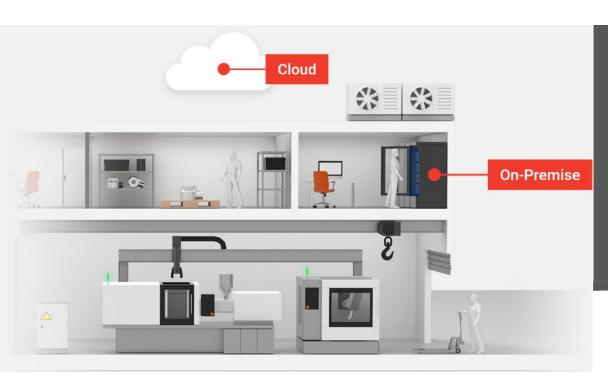
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Cloud or On-Premises



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.

"It is advantageous that [...] Detact can respond very individually to the concrete requirements in the company and not simply impose a rigid, prefabricated concept. This results in solutions that really help us."

Hugo Stiehl GmbH

















Service and maintenance

Standard and premium maintenance packages incl. project management and 24/7 service hours

Advice on application problems in Detact

Ongoing interface djustments

Architecture extension as needed

Readiness and service hours up to 24/7

Regular updates, upgrades and patches

Optional: Server operating system maintenance



We are here for you!

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