# TRAPO INTELLIGENT MANAGEMENTSYSTEM

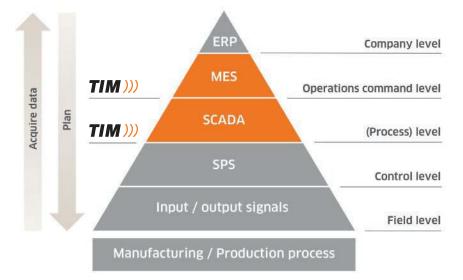


TIM was already introduced in 2018 in the TRAPO technical center for the needs of plant and mechanical engineering as an ME system (Manufacturing Execution System). TIM is industry-independent, can be configured by the customer, connects production systems and also includes third-party systems.

### Plant monitoring

TIM monitors processes in production and intralogistics based on specified OEE performance.

With TIM, customers have an overview of their company key figures in real time. TIM can be integrated into the customer's ERP systems.



#### Plant operation

TIM offers a web-based, user-friendly HMI (Human Machine Interface) user interface.

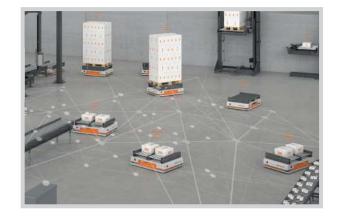
#### Plant optimization

Continuous monitoring and the data collected from it enable targeted optimization of the monitored plants. In addition, TIM specifies the optimal time for predictive maintenance - and simplifies ordering processes by providing a digital shopping cart.

#### Control of autonomous systems

At the process level (SCADA), TIM acts as a data highway for the fully-automatic route calculation and control of shuttle fleets of the TTS series.

The vehicles move freely along predefined traffic routes meaning that even changes in the driving route can be implemented with little effort.





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# **ALL FROM A SINGLE SOURCE** TRAPO COMPLETE LINE SOLUTIONS HIGHEST QUALITY & SAFETY

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TRAPO | OVERALL PORTFOLIO



65 years' expertise in machinery- and plant construction make TRAPO the perfect partner for automated tasks in production and intralogistics. Our systems impress through their flexibility, high-performance and economy.

In 2021 TRAPO won an award as a TOP 100 Innovator for the further developement of autonomous systems; Top 100 is the largest and most important award for innovative strength in German medium-sized companies. At the beginning of the corona pandemic, TRAPO concentrated on strengthening and stabilizing supply-securing industries - and places its development focus on automation in the food and pharmaceutical industries.



#### We are at home in these industries

Food industry | Pet Food industry | Pharmaceutical industry & Medical technology | Logistics | Packaging industry | Automotive and Wheel industry

With in-depth mature sector know-how we handle unit goods and containers.



#### Partner in automation for the care sector

TRAPO experts automate production and intralogistics worldwide, install machinery, partial- and complex plants and support them by remote-support.

For more than 50 years, TRAPO has had its own stainless steel production to implement the strict specifications in hygienic design. The aim of the tailor-made, individual automation solutions: the harmony between economic success and the humanization of workplaces. Wherever possible, TRAPO engineers consider sustainable solutions, for example in the conscious use of resources.







