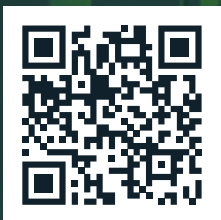




"We Develop Cost-Reduction Tools, We Deliver Efficiency!"

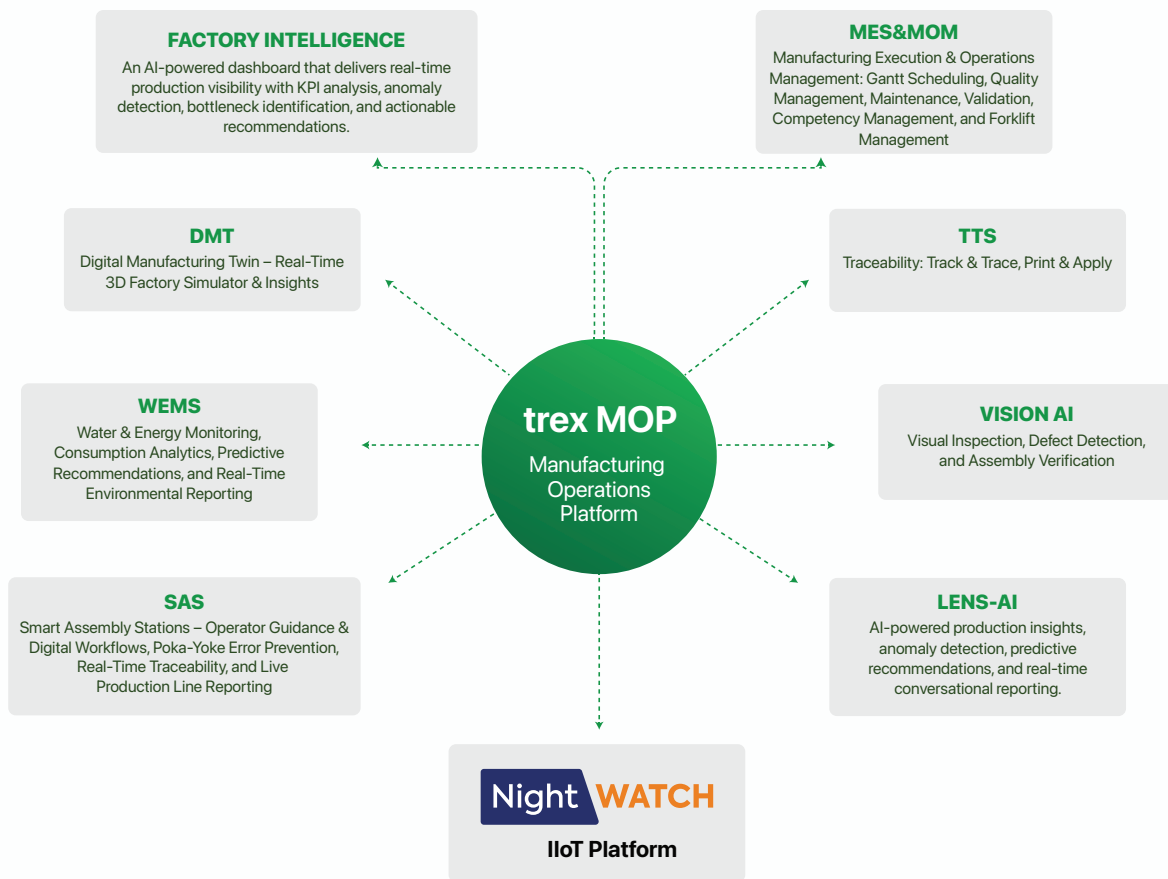
If you want to reduce your costs by saving on energy, raw materials, and labor...
Explore trex's tools!

You are invited to
our **Digital Transformation Application Center.**



Visit our website to schedule an appointment!
www.trex.com.tr





trex MOP – Manufacturing Operations Platform

trex MOP is the **core digital backbone** of trex, bringing together all smart manufacturing solutions under one unified platform. Rather than a single product, it is an **ecosystem of integrated modules** designed to digitalize and optimize every layer of factory operations

The platform includes:

- **Factory Intelligence** an AI-powered dashboard delivering real-time production visibility through KPI analytics, anomaly detection, bottleneck identification, and actionable recommendations.
- **MES/MOM** for manufacturing execution and operation management
- **DMT** (Digital Manufacturing Twin) for real-time simulation and insights
- **WEMS** for water and energy monitoring with predictive recommendations
- **Vision AI** for visual inspection and defect detection
- **LENs-AI** for anomaly detection, cycle time optimization, and conversational reporting
- **SAS** (Smart Assembly Stations) for operator guidance, workflows, and error-proofing
- **TTS** for end-to-end product traceability

By connecting these modules on a single backbone, trex MOP ensures:

- Complete visibility of production
- Optimized efficiency and reduced losses
- Seamless traceability and compliance
- Sustainable and data-driven manufacturing

trex MOP is not just a platform, it is the operational heart of smart factories, enabling manufacturers to scale with confidence and agility.

What You Can Do with **trex;**

- Reduce your energy, raw material, and labor costs.
- Decrease wastages and scraps.
- Lower your inventory holding costs.
- Minimize work-in-progress inventory on your production floor.
- Reduce maintenance costs.
- Eliminate production traceability issues.
- Improve your product quality.
- Increase your employees' awareness.
- Create realistic machine production plans.
- Increase your capacity.
- Reduce waste and losses.
- Create a paperless production environment.
- Enhance your internal communication effectively.
- More easily adopt with global regulations (e.g., Carbon Footprint).
- Make your production floor smarter.
- Achieve greater success in establishing a **Lean Manufacturing Culture**.

Tools for Productivity

Standard System Content

With the production and downtime signals taken from the system, production quantity and downtimes, work order information, manual downtime entries, manual or automatic scrap entry information, a database can be formed, and analysis listed below can be made:

- Performing efficiency analysis according to OEE standards.
- Conducting cycle time (Operation Time) analysis.
- Acreage speed analysis.
- Determination and analysis of lost time.
- Analyzing shift-change/setup time.
- Analyzing failure response time.
- Analyzing failure completion time.
- Analyzing production quantities.
- Analyzing the quantity and reasons for scrap/waste.
- Online monitoring (available via Web Browser, iPhone, Android, Huawei versions; can be downloaded from relevant stores).
- ANDON applications (applicable to any size LCD TV and customizable forms can be designed).

With the data taken from the system, example reports can be sent via email.

You Will Get These Benefits Quickly



Operators

Decrease in manual data entries.

Faster reactions to adverse situations.

Increased responsibility and awareness.

Better and more transparent process management.



Maintenance Team

Faster action for troubleshooting.

Better analysis of causes of downtime or problems.



Quality Team

Faster approval for processes.

Decrease in quality waiting periods.

Shorter approval times.



Factory Managers

Real-time production and performance monitoring.

Increased awareness of operators.

Faster analysis of causes.

Decrease in downtime and troubles, leading to better plant management.



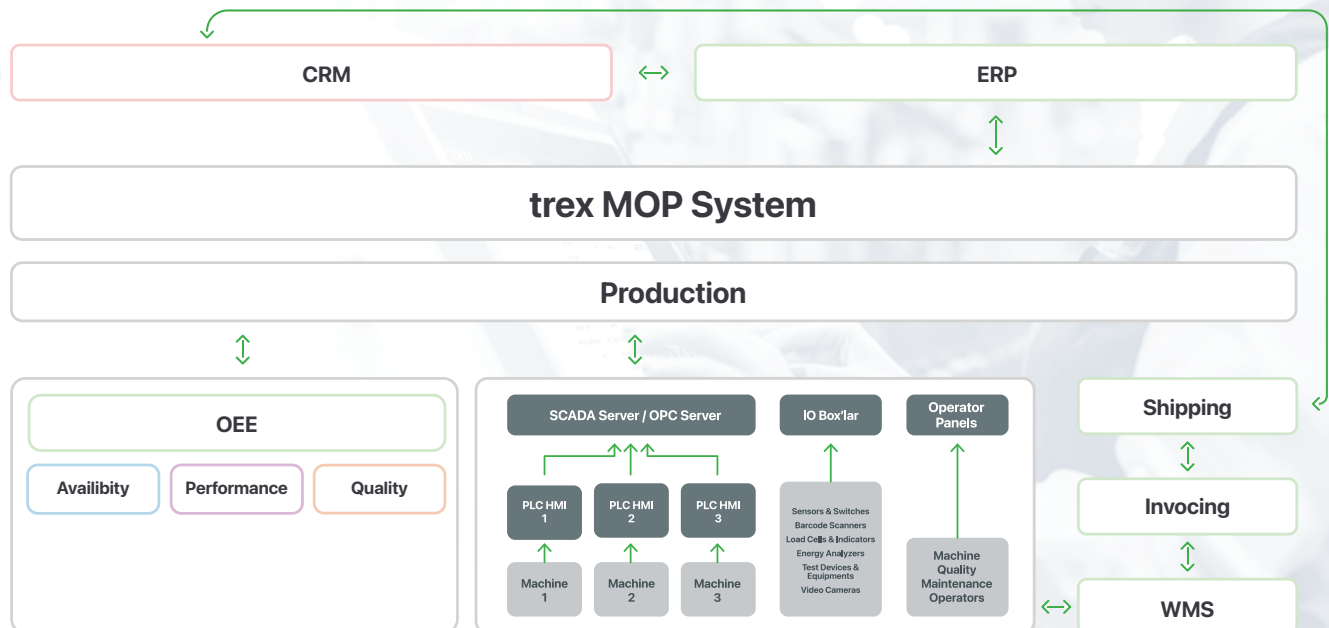
Region and Group Executives

Real-time production and performance monitoring.

Faster benchmarking across plants.

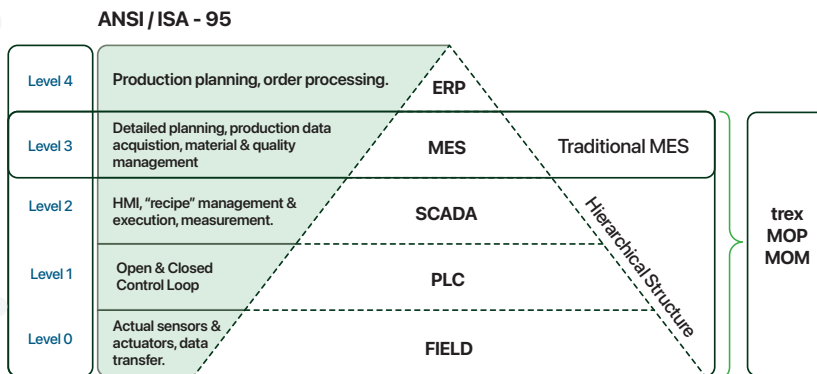
Faster evaluation of opportunities and gaps.

Position of **trex MOP** in Your Digital Infrastructure

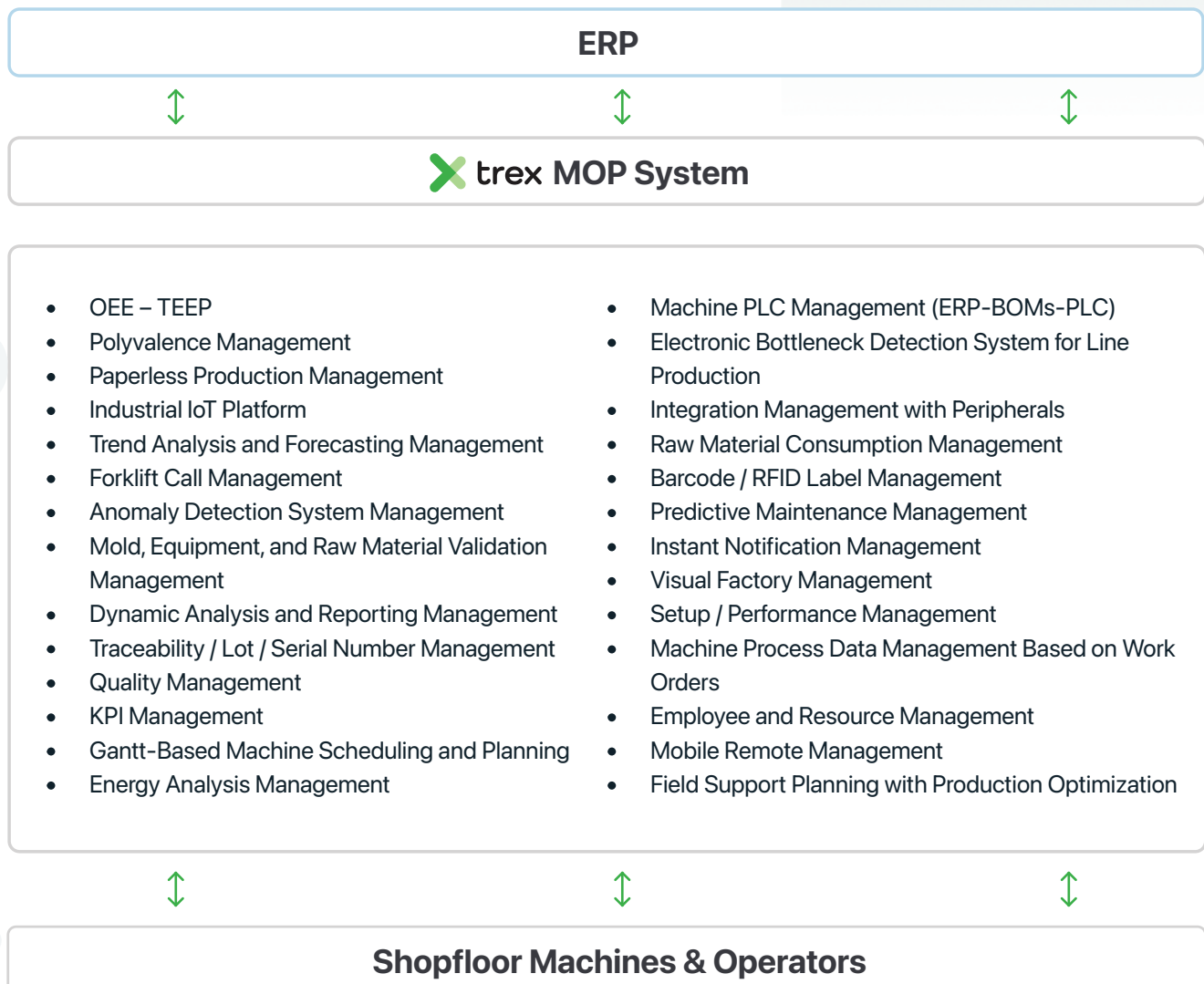


Beyond ANSI/ISA-95

trex Covers from Level 0



trex MOP Talents



We Invest & Develop Our Business



PMI Membership & Our
Project Consultants are PMP
Certified



Our Customer Project
Consultants are PMP
Certified.



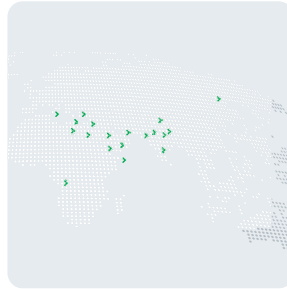
TOBB We are a
member of the Turkey
Software Assembly



Ministry - Approved
R&D
Center Title



Expert Staff in the
Field
130+



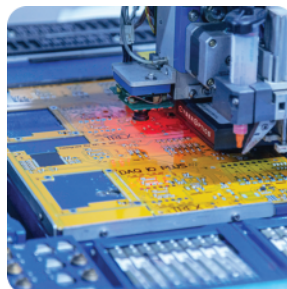
23
Different Countries

400+
Completed Projects

57.000 +
Operators



Digital Transformation
Experience and
Training Center



Electronic R&D
Studies

Some of Our Global References

Over 400 Digital Manufacturing Projects
Successfully Delivered – and still counting,
Trusted by Global Leaders.



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