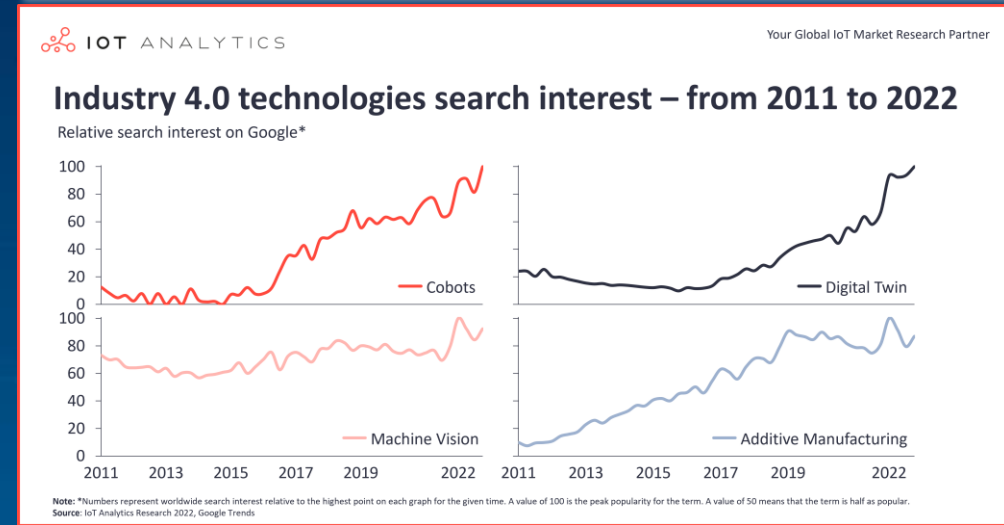
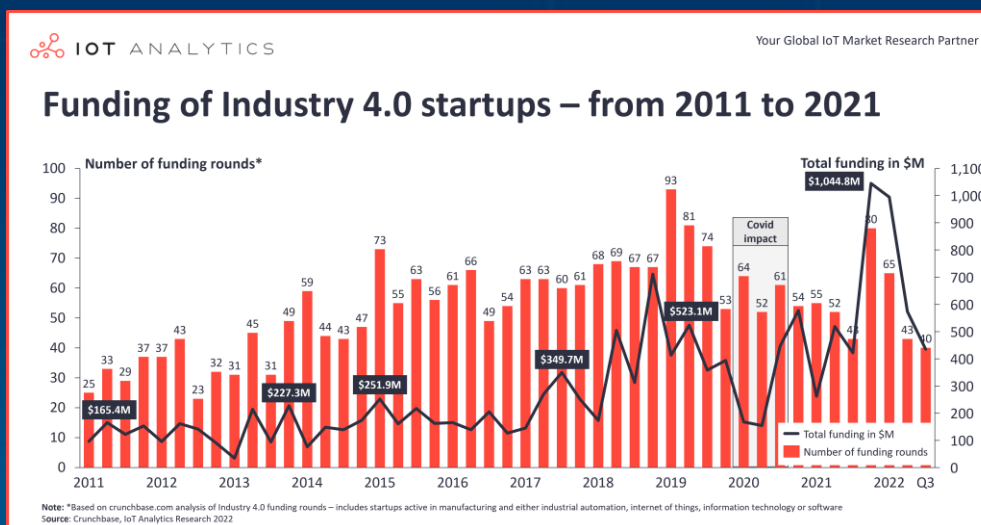
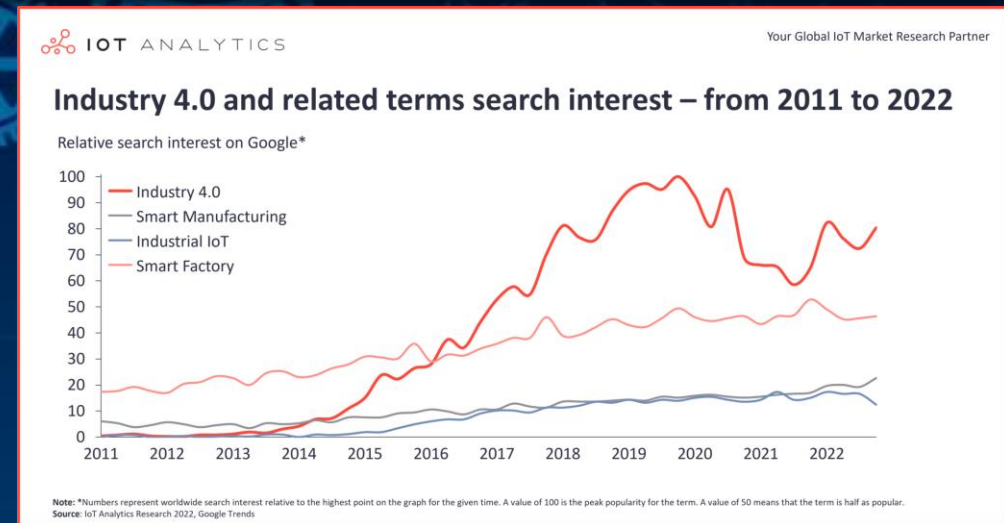
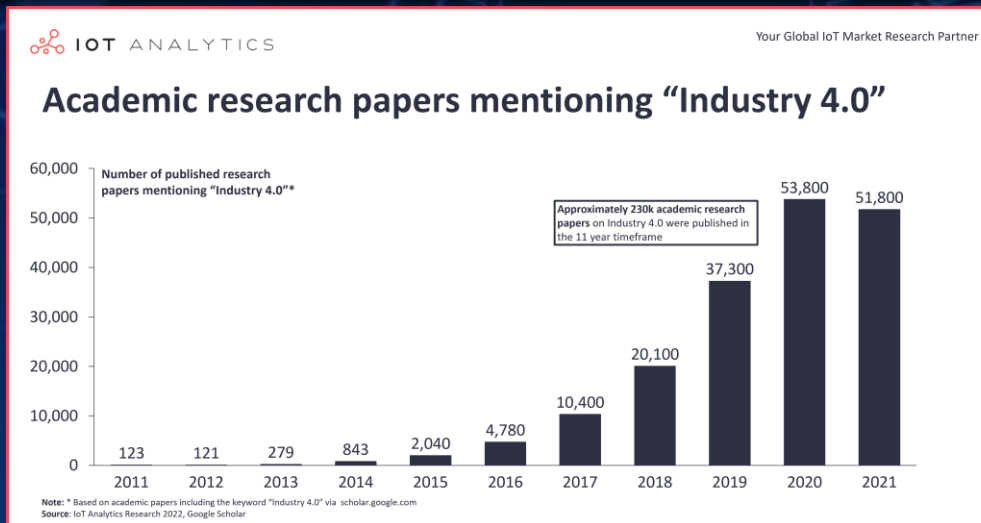


SAP MII: Revolutionizing Manufacturing 4.0



Manufacturing Integration Matters

- Much more powerful chipsets
- Widespread adoption of cloud services
- Containerization of software
- Creation of much-improved software middleware/tools
- Open interfaces to edge computing hardware
- New and improved communication standards/protocols
- Availability of relevant AI models and libraries



Disconnect Hinders Efficiency

Lack of real-time data integration leads to inefficiencies.

Manual data entry and paper-based processes cause delays and errors.

Difficulties in coordinating and synchronizing operations among different departments.

Limited visibility into the production process hampers decision-making.

Inability to respond quickly to changes in demand or supply chain disruptions.





Driving Manufacturing Excellence

Real-time data access enables quick decision-making and problem-solving.

Efficient communication between machines, systems, and personnel is vital for streamlined operations.

Instant insights into production status empower proactive actions and reduce downtime.

Faster response to changes in demand and market conditions improves competitiveness.

Integrated data leads to enhanced visibility, productivity, and overall performance.





Bridging the Gap with SAP MII

SAP MII integrates disparate systems, enabling seamless communication and data exchange.

Real-time data collection and analysis provide immediate insights for better decision-making.

Automated workflows and alerts facilitate quick responses to production issues and changes.

Paperless operations reduce errors and delays, enhancing overall efficiency.

SAP MII's centralized dashboard offers a comprehensive view of the entire manufacturing process, improving visibility and coordination.





Unlocking the Potential



Efficiency



Savings



Quality



Sustainability

Making It Work Together

- ❑ SAP MII is designed with integration in mind, ensuring compatibility with existing manufacturing systems.

- ❑ It supports various communication protocols and standards, making the integration process smoother.



- ❑ A dedicated team of experts provides guidance and support during the implementation phase.

- ❑ It seamlessly integrates with ERP systems, allowing real-time data exchange and synchronization of production plans.

- ❑ The synergy of SAP MII, ERP, and MES results in a more agile, efficient, and data-driven manufacturing environment.
- ❑ It leverages data from ERP and MES to optimize production schedules, improve resource utilization, and minimize downtime.
- ❑ SAP MII enhances MES functionality by providing a broader context and deeper insights into manufacturing operations.



Getting Started with SAP MII

1-3 Months

Discovery and Planning

- Define project scope and objectives.
- Assess current manufacturing processes and identify pain points.
- Formulate a detailed implementation plan and timeline.

2-3 Months

Data Gathering and Preparation

- Collect necessary data from existing systems for integration.
- Cleanse and organize data to ensure accuracy and consistency.
- Identify key performance indicators (KPIs) to measure success.

2-4 Months

Configuration and Customization

- Configure SAP MII to align with the unique requirements of the manufacturing environment.
- Customize dashboards, reports, and workflows to suit specific business processes.
- Test the system to validate its functionality and performance.

Getting Started with SAP MII

1-3 Months

Training and
Change
Management

- Train employees on how to use SAP MII effectively.
- Implement change management strategies to ease the transition.
- Address concerns and encourage buy-in from all stakeholders.

15 - 30 days

Integration and
Go-Live

- Integrate SAP MII with existing ERP, MES, and other relevant systems.
- Conduct thorough testing to ensure seamless data flow and functionality.
- Launch SAP MII and monitor its performance in a controlled environment.

1 Month

Continuous
Improvement and
Optimization

- Collect feedback from users and monitor system performance.
- Identify areas for improvement and optimization.
- Implement updates and enhancements to enhance system efficiency.

Making the Business Case with Industry 4.0

Value potential

15–20%

inventory-holding
cost reduction

15–30%

labor productivity
increase

30–50%

machine downtime
reduction

10–30%

throughput
increase

85%

forecasting
accuracy
improvement

10–20%

cost-of-quality
improvement

McKinsey
& Company

- On average, companies implementing SAP MII report an ROI of 20% to 30% within the first year.
- Increased production efficiency leads to reduced operational costs, resulting in significant savings.
- Enhanced data visibility enables better decision-making, leading to improved resource allocation and waste reduction.

- Faster response times to market demands and disruptions lead to increased customer satisfaction and retention.
- Long-term benefits include sustainable growth, competitive advantage, and higher profitability.



Making the Business Case

- Increased Efficiency
- Real-Time Insights
- Improved Quality
- Competitive Advantage
- ROI and Cost Savings
- Future-Proofing
- Customer Satisfaction
- Compliance and Traceability
- Data-Driven Decision-Making



Data visualization and performance tracking

- Digital performance boards with real-time OEE and loss tracking, along with data personalized to the user
- Digital changeovers
- Automation of regular reporting
- Individual container RFID tracking



Digital and mobile platforms for front line

- Mobile platforms, including key apps, for operators, supervisors, and technicians
- Digital performance dialogue and communication hub
- Paperless processes



Advanced planning

- Dynamic scheduling of production lines
- Long-term capacity planning
- Warehouse put-away locations optimized by advanced analytics



Parameter optimization

- Performance-deterioration warning
- Advanced analytics for yield and throughput optimization



Automation

- Automated container loading and unloading
- Filling and emptying automation and upgrades
- Automated guided vehicles for pallet movements



Digital maintenance

- Digitized work-order process
- Condition-based and predictive maintenance
- Digital shutdown planning and execution



Digital laboratory

- Digital lab system
- In-process testing
- Digital supplier management portal



Digital sustainability

- Real-time utility and raw-material consumption data, with traceability to suppliers



Ready to Revolutionize?



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- Website: www.hackaback.com

Contact our team now for a personalized consultation and a tailored SAP MII solution!



Your Questions, Answered (Q&A)

