AI-powered manufacturing
It keeps getting better

In our recent study, AI users show more success with greater flexibility, faster inventory turns. They show higher return on assets (ROA), more revenue growth and more supply chain agility versus those who delay taking on AI-powered manufacturing.

We profiled study respondents on their use of AI across areas:

**AI users**
- Apply AI to transform the organization; across most areas at least piloting, in some areas rolling out or fully implementing

**AI delayers**
- Postpone adoption of AI; across most areas not considering, in some areas experimenting

AI users see a straight line to increase the bottom line
The ability of AI users to respond rapidly to changing business conditions allows better scalability.

Return on fixed assets

- **AI users**: 17%
- **AI delayers**: 8%

Revenue growth comparison

- **AI users**: Outperforming On-par or underperforming
  - AI users: 58%
  - AI delayers: 44%
- On-par or underperforming
  - AI users: 42%
  - AI delayers: 56%

Upside flexibility

- Days to achieve an unplanned sustainable 20% increase in quantities delivered
  - AI delayers: 60 days
  - AI users: 25 days

Upside adaptability

- Estimate for maximum sustainable percentage increase in quantity delivered that an organization could achieve in 30 days
  - **AI delayers**: 12%
  - **AI users**: 18%

Putting AI-powered manufacturing to work

- Production optimization
- Blockchain provenance management
- AI and AR enabled repair
- Collaborative platform with alerts
- Intelligent defect detection and classification
- Asset maximization

Driving outcomes

- Increase productivity and throughput
- Streamline maintenance operations
- Identify defects faster and more successfully
- Reduce unplanned downtime and unnecessary maintenance
- Reduce cost associated with maintenance and quality
- Optimize business performance
- Improve maintenance KPIs
- Achieve greater transparency, enhance security and improve traceability

Are you ready to put AI-powered manufacturing to work? To learn more, visit: ibm.biz/Bd2T3P and ibm.biz/Bd2T3M

**Note:** Data comes from a global study of 623 manufacturing managers.