



Driving manufacturing excellence

Helping manufacturing companies leverage digital technology to become more agile, responsive, and efficient.

E-book

ORACLE | Partner



The manufacturing sector faces a growing set of challenges in today's market, over and above existing concerns about revenue growth and profit margins.

Oracle gives manufacturers the power to thrive in an evolving market by modernizing their business with our integrated suite of applications and Oracle Cloud Infrastructure (OCI).

As a technical and functional services pioneer in the E-Business Suite (EBS) space, Syntax has deep expertise supporting and implementing the full suite of applications, delivering development projects, integrations, upgrades, cloud hosting, managed services, and ongoing support.

Our end-to-end solutions include supply chain management (SCM), enterprise resource planning (ERP), enterprise performance management (EPM), human capital management (HCM), customer experience (CX), and analytics.



Managing shortages and disruptions

Today's manufacturers need connected operations and insight to stay nimble, be resilient to change, and spot new revenue-generating opportunities. Offer services along with their products.

Navigating demand risk and higher operating costs

C-suites are looking for easy-to-use dashboards, real-time alerts, built-in AI, and consistent data across HR, finance, and the supply chain to boost automation and avoid unnecessary costs.





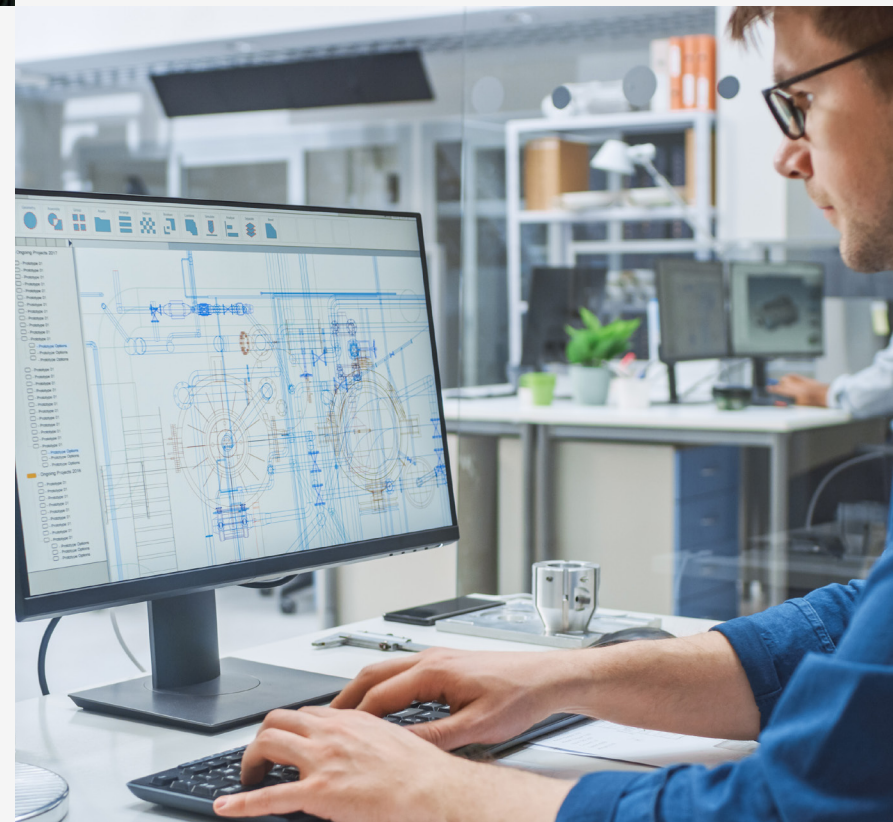
Aging workforce and a growing need for tech-savvy talent

Competition with tech companies for knowledgeable workers who can automate manufacturing means finding a way to tap new talent pools.



Rising IT costs, legacy on-premises systems, and data silos

Manufacturers need to connect operational data—from the factory to the field—with IT systems that can process, analyze, and present the information clearly.



Adopting service-based business models and software-driven products

Services have become an important growth engine, with companies using subscription-based models to offer services along with their products.



Creating a sustainable, circular supply chain

Customers, investors, and governments continue to look closely at corporate environmental practices, often mandating a revamp of value chains for sustainability.

Cost and complexity of onboarding acquired companies

Mergers and acquisitions play a key role in driving growth for manufacturing—which means integrating systems and employees across subsidiaries.



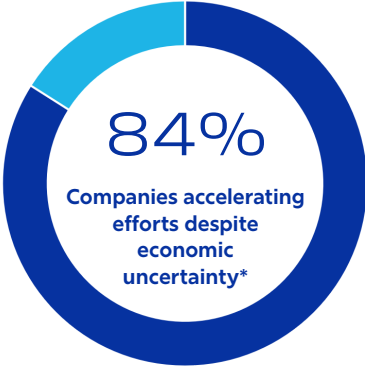
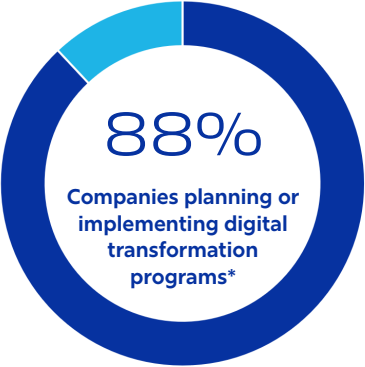
Overcoming these challenges requires more than innovation:

It means redefining strategic goals, rethinking customer value, and redesigning offerings, supply chains, and partnerships.

Changing priorities for modern manufacturers

In a 2021 survey of more than 300 global manufacturing executives by advisory firm LNS Research, 88 percent said their companies are either planning or implementing digital transformation programs. Eighty-four percent said they're accelerating these efforts despite economic uncertainty.

OCI offers tools and architecture that help enterprises seamlessly move from on-premises to the cloud, leveraging improved automation and



built-in security to mitigate threats, and support superior migration and economics.

With hundreds of implementations under our belt, we bring the in-depth knowledge and experience needed for the EBS solution set. Our Oracle-certified experts help drive best practices, automation, and tooling to ensure your systems are running securely at peak performance, all driven by industry-leading uptime and response time SLAs.

Digitize data and operations

As the flow of data increases, manufacturers need sophisticated software to analyze and extract insights.

Build a tech-savvy workforce

The biggest labor shortages in the coming years will be in specialized technology fields including robotics, computer programming, data science, prototyping, and cybersecurity.

Reduce supply chain risk

The real-time status updates provided by digital supply chain systems let you detect, identify, and resolve bottlenecks quickly.

Leverage a service-based model

Installation of products, ongoing maintenance, and other forms of service at fixed or usage-based prices (e.g., subscriptions) will grow to more than US\$2.3 trillion by 2029.

Invest in smart manufacturing

Global spending on digital technologies that connect and automate factories will grow to more than US\$950 billion by 2030, according to ABI Research.

Focus on sustainability

Besides seeking to reduce energy usage, manufacturers want to conserve valuable resources and remain competitive with reducing carbon emissions.

Oracle: Empowering manufacturing innovation

Manufacturers with construction and engineering portfolios can manage asset lifecycles and increase return on capital investments with Oracle Primavera Capital Program Management.

Together, these connected cloud applications give you a powerful platform to digitalize product engineering, manufacturing operations, and supply chains. All share one centralized source of comprehensive business data, breaking down information silos and eliminating human error from your back-office workflows.

OCI is built for innovation. This includes industry-leading scalability and guaranteed uptime, integrated governance and control, and reliability backed by end-to-end SLAs. Oracle’s cloud mission extends to supporting emerging technologies such as AI, machine learning (ML), the Internet of Things (IoT), blockchain, and human interfaces.

Manufacturing matters

In the US, the world’s largest economy, manufacturing accounts for:

12	US\$2.3	20%
Million US jobs	Trillion in GDP	Trillion in GDP
35%	60%	70%
Of productivity growth	Of exports	Of R&D spending

In the US, manufacturing accounted for **32.2 million jobs in 2022**, the most of any industry. In China,n the manufacturing sector employs **18% of the nation’s massive labor force**.

Source: US Bureau of Economic Analysis, US Bureau of Labor Statistics, McKinsey Global Institute, World Bank, Hang Seng China.

Manufacturing priorities

Executives ranked the following initiatives in order of importance to their compny:

	First	Second	Third
Digitalization	40%	27%	24%
Smart technology	29%	33%	22%
Sustainable manufacturing	17%	21%	28%
Workforce development	15%	19%	25%

Source: October 2021 global survey of 291 manufacturing executives by Oracle and Industry Week

How Oracle powers digital manufacturing

- Open and modular Modern Data Platform integrates all data sources to improve data quality and access. AI services with prebuilt models help you develop innovative applications faster and at less cost
- High performance computing supports your most demanding workloads
- Distributed cloud offers more control and faster innovation for your existing Oracle estate
- Dedicated cloud solutions provide more than 100 cloud services entirely within your data center
- Oracle's green cloud reduces your environmental footprint for a sustainable future
- Open source Oracle MySQL or low code APEX platforms enable you to rapidly build new apps with minimal assistance

25-65%

Oracle compute servers, such as Oracle Virtual Machines and bare metal, help business achieve significant cost savings of 25-65% compared to VMs from competitors.*

66%

Oracle Databases run faster, and lower costs by up to 66% when compared to hyperscalers - allowing you to achieve data-driven results more efficiently and affordably.*



Why Syntax

Syntax provides comprehensive technology solutions and trusted professional, advisory, and application management services to power businesses' mission-critical applications in the cloud.

With over 50 years of experience and 800+ customers around the world, Syntax has deep expertise in implementing and managing multi-ERP deployments in secure private, public, hybrid, or multi-cloud environments. Syntax partners with SAP, Oracle, JD Edwards, AWS, Microsoft, and other global technology leaders to ensure customers' applications are seamless, secure, and at the forefront of enterprise technology innovation.

ORACLE

Partner

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