

# Get started with Oracle Cloud for manufacturing



**Oracle is the only company that can deliver industry applications, technology platforms, back-office, front office offerings – all running on the same Oracle Cloud Infrastructure.**

Drive and lead high-tech, industrial manufacturing, and automotive industry innovation with Oracle Cloud solutions.

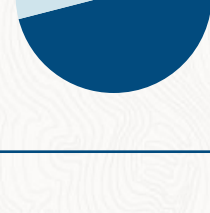
Transform how you engage your clients and deliver better products and services by connecting your digital ecosystem to help you realize value from data and put your customers at the center of your business.



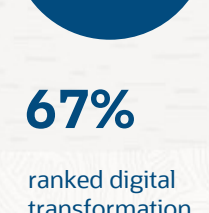
## New challenges facing manufacturers

- 1 Connected products and customer demand for better services
- 2 Volatile demand and disruptions to supply chains
- 3 Integration of advanced technologies enabling smart manufacturing 4.0
- 4 Digitizing manufacturing operations and value chain
- 5 Widening skills, labor shortages, and changing employee expectations
- 6 Growth through mergers and acquisitions
- 7 Investor and consumer focus on ESG and sustainability

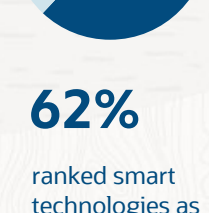
### What the manufacturing industry is talking about



**71%** are investing (significantly or moderately) in digital transformation



**67%** ranked digital transformation as their first or second choice to adapt to the "new next"



**62%** ranked smart technologies as a first or second choice



**50%** of executives we surveyed expect to increase operational efficiency in 2022 through their investments in robots and co-bots



**21%** of survey respondents were confident in their supply-network visibility and ability to flex sourcing, manufacturing, and distribution, plan to increase investments in digital initiatives and implementation of Industry 4.0 technologies



**45%** of manufacturing executives surveyed expect further increases in operational efficiency from investments in industrial Internet of Things (IIoT) that connect machines and automate processes

Source: 2021 and 2022 Deloitte Manufacturing Survey

## How moving to Oracle Cloud supports manufacturers



### Digital product design

High performance computing (HPC) on Oracle Cloud Infrastructure (OCI) brings powerful, cost-effective computing capabilities enable powerful simulations to drive manufacturing digital product design efforts

- High Performance Computing (HPC) →
- Computational Fluid Dynamics (CFD) →



### Achieve supply chain resilience

A responsive and flexible supply chain requires horizontal and vertical visibility to manage supply chain risks effectively. Manufacturers must look far beyond the factory to transform their operations from disaggregated, nonintegrated functions into agile, connected, and automated supply chains capable of sensing network failures, and quickly turning to alternate solutions

- Supply Chain Management (SCM) →



### Smart Manufacturing Industry 4.0

Oracle's smart manufacturing solution connects your shop-floor data with your manufacturing, maintenance, and planning business systems by using artificial intelligence (AI) and machine learning (ML) to contextualize the information and provide actionable insights, enabling you to predict machine failures to get ahead of maintenance, adjust production schedules, and avoid costly downtimes

- Smart Manufacturing →
- Artificial Intelligence →
- AI Vision →
- OCI Vision Inventory Counting →
- Digital Twin Anomaly detection →
- Lights-out Manufacturing →



### Digitally assisted customer service

Automate Customer related interactions with natural language processing powered Oracle Digital Assistant to interpret the customers intent and deliver contextual responses to voice or text commands

- Digital Customer Service →



## Driving Innovation with Oracle Cloud

### Migrate and modernize packaged and custom applications on OCI

Move your core Oracle, Third Party, and/or custom business applications to OCI to access the latest software versions, lower your TCO, increase your agility, and improve your productivity using our dedicated Cloud Lift services facilitating a rapid deployment while maintaining key customizations and integrations.

- Migrate on-premises oracle applications to Oracle Cloud Infrastructure (OCI) →
- Move, optimize, and extend custom and third-party applications →

### Build new cloud native and low-code applications

Oracle Cloud Native services help developers build applications using technologies such as Kubernetes, containers, serverless functions, AI/ML services, and API management.

- Cloud native →

Oracle APEX Application Development (APEX Service) is a fully managed, low-code application development platform for building and deploying modern, data-driven applications.

- APEX application development →

### Modern Data Platform

Create a single source of truth by consolidating ALL data into a data warehouse and data lake with near-real-time access for lean manufacturing and just-in-time delivery.

Cloud-based analytics enable Manufacturers to better manage future disruptions, spot new opportunities, improve efficiency and productivity.

- Oracle Lakehouse →
- Oracle streaming analytics →
- Artificial intelligence (AI) →

### Factory Cloud

Accelerate deployment of cloud workloads outside the data center using Live IoT data from remote manufacturing plants combined with AI/ML capabilities, to make informed decisions and optimize both quality and processes.

Delivering cloud services locally to the underserved or bandwidth challenged manufacturing sites. Localize processing in real time for immediate action, allowing processed and/or raw data to flow back to cloud or on-prem at slower rates.

- Roving Edge infrastructure →
- Dedicated Region C@C solution →

## Check what analysts are saying

"Oracle Blockchain Platform has been built to leverage the company's enterprise-grade integration, provisioning, support, and management capabilities"

[Read more →](#)

"Oracle Digital Assistant democratizing Oracle apps"

[Read more →](#)

"Oracle Analytics is a best fit for companies that are moving to Oracle Cloud"

[Read more →](#)

"Consider OCI for Critical Oracle Business Applications and Potential Use for Non-Oracle Workloads"

[Read more →](#)

"Why all clouds are not the same"

[Read more →](#)

"Take Control of the Cloud with a Dedicated Region On Premises"

[Read more →](#)

## Customers who succeeded with us

The hard disk manufacturer uses Oracle Cloud ERP to automate processes and gain a single real-time view of its financial data.

"We have been able to consolidate applications, automate key financial workflows, and radically improve productivity. Oracle has been the catalyst for change."

[Read more →](#)

"With HPC on OCI, calculations now run 5X faster than the previous solution, reducing calculation time from 15 days to 3 days, and cutting costs by nearly 50%."

[Read more →](#)

"With Oracle Cloud infrastructure and Exadata Cloud Service, we were able to reduce the time for daily data warehouse reporting by 75%. Now we can meet our business users' needs for accurate inventory data."

[Read more →](#)

"This global manufacturer for commercial silica and other industry minerals needed to modernize and scale their systems as they acquired new companies."

[Read more →](#)

"Run daily collections analyses worldwide for the first time, they're also seeing faster invoice and payment processing"

[Read more →](#)

"Hear more about ECHO's success with a customer service chatbot, and how it has helped them deflect 70% of support requests"

[Read more →](#)

"SailGP can in a matter of seconds analyze more than 240,000 data points collected from 800 sensors on the F50 vessels, streaming racing metrics in real time to crews. Sensor data flows off the boats into Oracle Autonomous Data Warehouse at an average batch size of 15,000 to 20,000 messages, sent every 500 milliseconds."

[Read more →](#)

**430K+**  
Customers

**30K+**  
Customer reviews

**200K+**  
Cloud community members

**45K+**  
Customer references

[Read the success stories here](#)

## Get started with Oracle Cloud for manufacturing

Why OCI → OCI powers cloud-connected enterprises →

- 1 More about industrial manufacturing
- 2 More success stories
- 3 Request a demo

