ORACLE

INTERNET OF THINGS—
PRODUCTION MONITORING
CLOUD SERVICE

# Improved Manufacturing Decisions

## Real-Time Factory Performance

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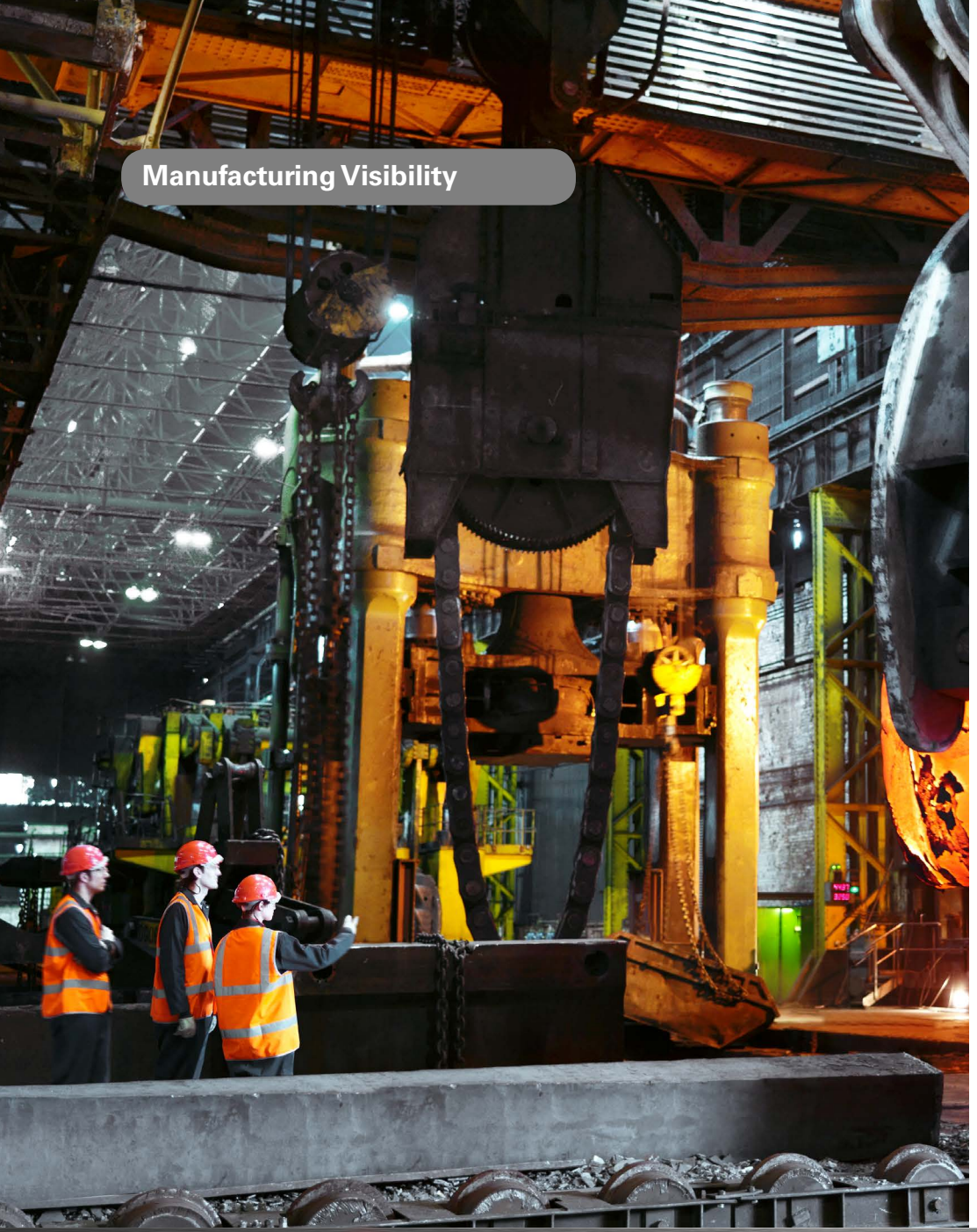
# An industrial **revolution.**

By enabling you to have a real-time view of your shop floor, technology is bringing about a manufacturing revolution. Physical systems designed to manufacture products can now communicate and cooperate with humans and each other.

Take your manufacturing operations to a new level of efficiency. Use our customer-ready solution—Oracle Internet of Things (IoT) Production Monitoring Cloud Service—to integrate your real-time machine, factory performance, and product quality data into your discrete decision-making process.


**WATCH**
Industry 4.0 with Oracle IOT Production Monitoring Cloud Service



Manufacturing Visibility

# Manage your operations **globally.**

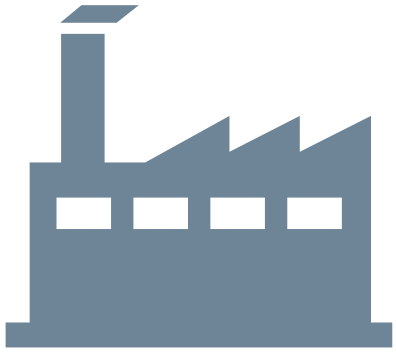
Stream data from the factory floor so that built-in analytics can measure equipment health and production output against key performance indicators (KPIs). The result? An unprecedented level of visibility and control.

Oracle IoT Production Monitoring Cloud Service receives and processes data from the factory floor to generate current views of factory operations and production line output. Production managers, machine operators, and floor supervisors get up-to-date production status—from a global perspective down to the health of specific machines.

# A **holistic** view.

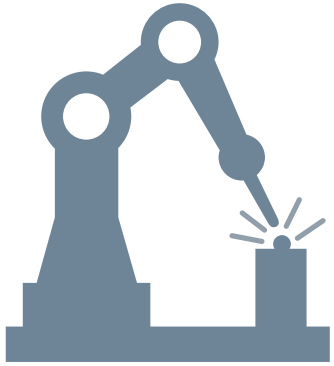
- **Factory Level.** See all of your production lines as they appear on your shop floor, and select a specific production line for more details.
- **Product Level.** Monitor the progress of your products, visualize product routing, identify bottlenecks.
- **Machine Level.** View machine availability statistics, visualize associated sensor data to pinpoint problem areas, identify machine issues that affect production output.

# Make it your own by **creating custom KPIs.**



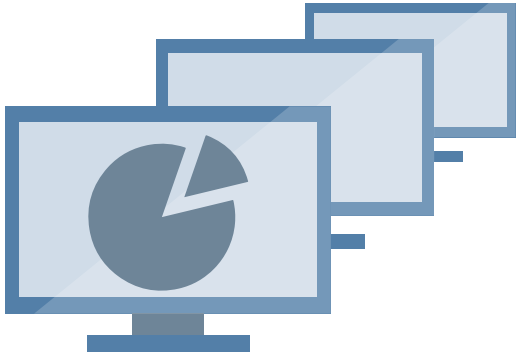
## Factory

View factory performance against plan for factories, lines, and machines by products.



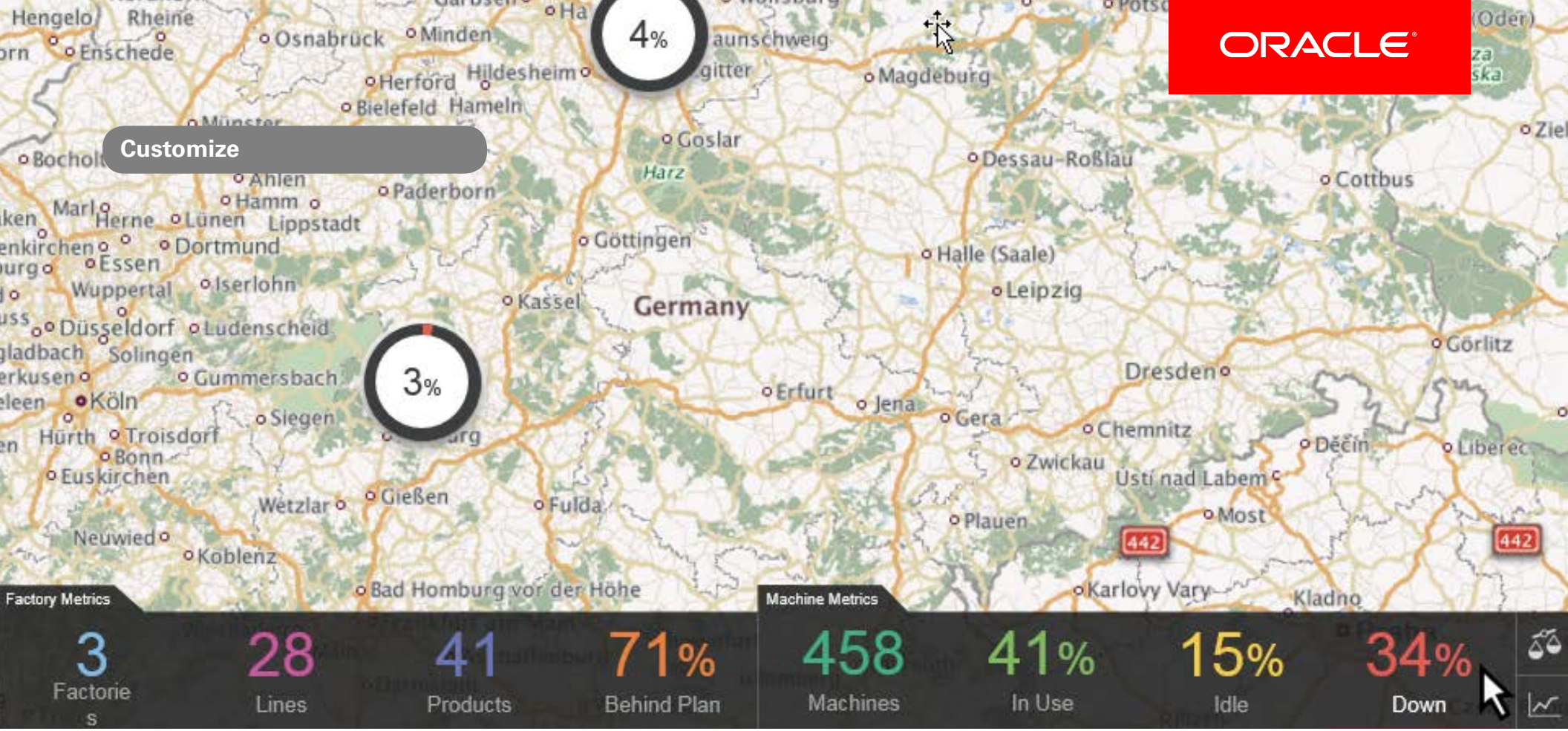
## Machines

Track machine availability and view the reported percentage of machines in use, idle, and out of service.



## Multiple Views

View KPIs in tabular or geographic contexts.




# Your factory, your data.

Oracle IoT Production Monitoring Cloud Service uses your existing data about factory location, production line configuration, and machine assets to create an accurate visual representation of your production environment.

Mapping capabilities let you view your production operations at a global scale. Drilling down on a particular area of the map reveals additional details at the regional or factory levels. And map views dynamically adjust based on your search criteria, giving you quick visibility into the production status for specific products or production lines.

Diagnose Production Anomalies

# Manage factories **in real-time.**

## Live Data Stream

Data from the production floor is continuously analyzed to detect anomalous conditions and visualize them in terms of KPIs. Production monitoring dashboards display line status, production output, and a comparison of output against your plan.

## Comparative Analysis

With the application tools, you can compare the performance of your production assets. Comparative views provide quick identification of how factories, lines, machines, and products are underperforming against your plan.

# Use the **KPIs in the application dashboard** to quickly determine and fix the root cause of production faults.

## Determine the Root Cause

Using the detailed time series sensor data collected from the production equipment, you can quickly identify reasons for suboptimal machine performance or machine failures that affect production throughput.

## Create Incident Reports

The built-in rules engine processes incoming data to automatically detect failures and create incident reports. Incident reports sent to other Oracle products dynamically generate and assign work orders, speeding the time to resolve problems.

## Resolve Issues Quickly

Your factory floor workers observe machine operations remotely. The detailed machine performance data helps them arrive on scene properly equipped to repair the affected machines.

# Learn More

- View data sheets, FAQs, pricing, and additional resources on the **Oracle Internet of Things Production Monitoring Cloud Service** product page.
- Sign up for a free trial at **Oracle Cloud.**
- Purchase a subscription and get started by visiting the **Oracle Help Center.**

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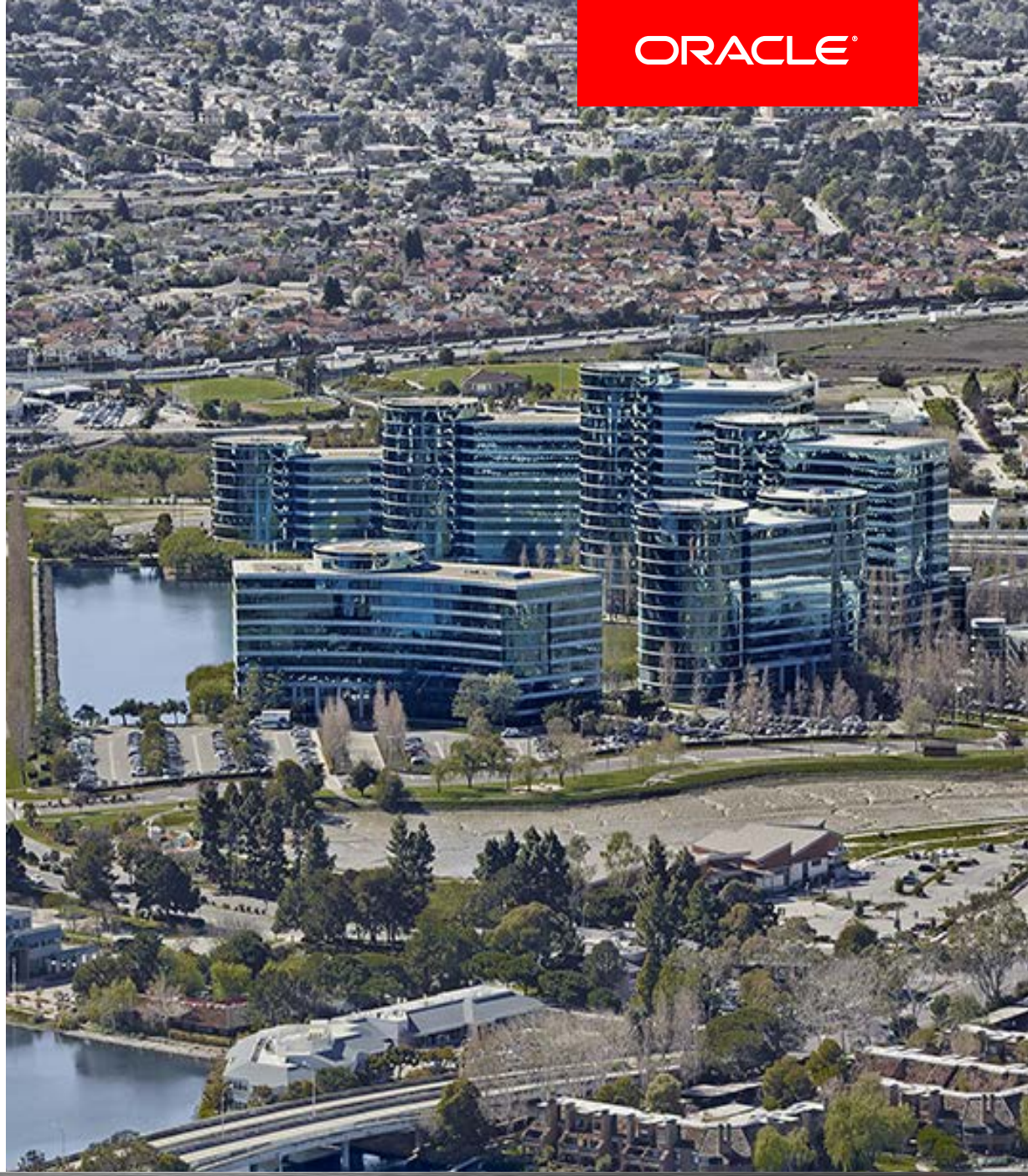

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