Building a more sustainable future
Using technology as a force for good
Safe harbor Statement

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ONE
Oracle Operating Sustainably

TWO
Oracle Enabling Sustainability

THREE
Resources
“Oracle is committed to embedding sustainability across our enterprise and delivering innovative cloud technology to accelerate meaningful change.”

Safra Catz
CEO
Oracle setting the bar for progress | 2025 goals

- 100% renewable energy use for Oracle Cloud and Oracle Operations
- 25% reduction in employee air travel emissions
- 100% of key suppliers has an environmental program in place
- 80% of key suppliers has emission reduction targets in place
- 33% reduction in potable water and waste to landfill per square foot

For latest info on Sustainability and Oracle’s goals visit oracle.com/sustainability
Setting clear and ambitious targets

Carbon Neutral by 2025

50% reduction in total emissions by 2030

Net Zero by 2050

For latest info on Sustainability and Oracle’s goals visit oracle.com/sustainability
“We are now looking into our future goals, and joining the Exponential Roadmap initiative and the UN Race to Zero will play a pivotal role in our mission to accelerate climate solutions. We are also going beyond our 2025 goals, and setting a target to reach net-zero GHG emissions across Scopes 1,2 and 3 by 2050 and halve our global emissions by 50% by 2030”

Jon Chorley
Chief Sustainability Officer and Group Vice President, Supply Chain Management (SCM) Oracle
Measuring impact and progress
Taking a data-driven approach to improving sustainability performance

100% renewable energy used in 16 regions for Oracle Cloud data centers

3 million pounds of retired hardware assets were collected for recycling or reuse in FY22 (99.9% reused or recycled)

22% Increase in renewable energy use in 2021 over the previous year

88% of Oracle's key direct manufacturing suppliers (80%+ of spend) have energy or carbon reduction goals in place

More information available here
Considering sustainability when moving to the cloud

Higher Utilization Rate

Optimized Energy Usage

Renewable Energy

Circularity

Empowering customers to achieve up to 70% reduction in energy usage

Energy Star® engineered systems. ISO14001, ISO50001 datacenters

100% renewable energy use at Oracle Cloud data centers in Europe

Reuse and recycling 99.9% of retired hardware
Engagement | employees getting involved

Oracle Volunteering
Oracle Green Teams
Oracle Sustainability Champions

Recognizing employees who are leading by example and making an impact in their role and community.

Employee empowerment

• Sustainability training
• Support in volunteer projects
• Employee blog
• Employee newsletter
Oracle Enabling Sustainability

The realities of where we are

Middle class growth
Globalization
Digitization
Climate change
Waste generation
91% of people want to see more accountability from businesses when it comes to making progress on sustainability and social efforts.

Reimagining what is possible.

20% reduction of global CO$_2$-e by 2030 using smart logistics, circular supply chains, intelligent manufacturing, etc.\(^1\)

25%–40% Potential reduction in waste across the food value chain using smart sensors\(^2\)

$6.5$ trillion potential increase in economic value as a result of an enormous increase of connected devices by 2030\(^2\)

\(^1\) SMARTer2030 Report
\(^2\) 2030vision Full Report: Uniting to Deliver Technology for the Global Goals
Determine what is most material, then act.

Assess your reality
Define your future
Leverage technology
Shaping the sustainable organization through digital transformation.
Shaping the sustainable organization through digital transformation.
Oracle Cloud Applications

Complete suite of integrated applications
Oracle enabling integrated management of sustainability
Engineered to deliver results across platforms

ERP
- Gain valuable insights and results from financials
- Align projects with sustainable business strategy
- Streamline procurement
- Build trust
- Reduce risk with automated monitoring
- Predict scenarios impacted by increased regulation
- Transform business processes
- Leverage self-service analytics

SCM
- Ensure traceability and sustainable best practices
- Plan and support circular processes
- Drive supply chain efficiency
- Monitor production patterns
- Minimize waste
- Rethink packaging
- Ethically source materials
- Maximize space utilization
- Leverage self-service analytics

EPM
- Sustainability performance
- Risk Management
- Standardize framework KPIs
- Plan long-term and short-term sustainability goals
- Analyze and report ESG performance
- Communicate strategy with narrative
- Meet all ESG reporting standards
- Embedded controls & auditability
- Leverage self-service analytics

OCI
- Designed for the environment
- Maximize resource utilization
- Energy efficient
- Elastic
- Dynamic
- Reuse and Recycling at the end of useful life
- Integrated
- Consolidated
- Secure

Analytics
- Innovation
- Automation
- Data connectivity
- Data preparation
- Data modeling & visualization
- Data discovery
- Data collaboration
- Data access

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Enterprise Resource Planning (ERP)
Capture energy usage and other environmental data through Oracle ERP transactions

Continuously updated machine learning models generate predictions for any important business metric such as revenue streams, production volumes and energy usage, water consumption and waste generation.

Speed up planning cycles, adjust forecasts, analyze reports, respond to changes faster, and conserve energy.
Reporting and Strategic Planning with EPM
Sustainability planning | best practices to drive change

- Align data across ERP, SCM, HCM, CX and operational processes
- Data-driven forecasting to generate accurate, fact-based forecasts
- Improve decisions with built-in intelligence and advanced analytics
- Move from analysis to action with intelligent performance management
- Drive change through strategic planning, and report on progress
Oracle Cloud Enterprise Performance Management
A complete solution for a complex problem

Single source of truth for sustainability reporting

Create strategic and long-range ESG plans

Leverage what-if analyses and scenario modelling

Advanced analytics and machine learning to analyze, learn and predict

Track progress via interactive dashboards and management reports

Align enterprise data

Reinvent analytics and reporting

Close with confidence

Outperform with intelligence

Connect all planning

Operations

Finance

HR

IT

Sales

Marketing

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Oracle’s sustainability reporting framework
Oracle Consulting solution overview

Built on Oracle Cloud Enterprise Performance Management

Predefined dashboards aligned to GRI and ISSB, extendable to future standards

Pre-configured solution with KPIs for Social, Environmental, Product Responsibility and Ethics/Governance

Default planning features loaded centrally to measure sustainability KPIs and industry benchmarks

Solution includes 200+ KPIs, Pre-configured Reports and Dashboards

EPM Sustainability Reporting Framework
The value of Oracle Cloud EPM

Outperform with agility

**Complete**
Outperform with the most comprehensive cloud EPM

**Connected**
Align across ERP and operational processes for greater agility

**Intelligent**
Elevate business outcomes with built-in intelligence and advanced analytics

**Trusted**
Partner with recognized industry leader to leverage our experience
Sustainable Business Service

Oracle Consulting value proposition summary

Benefits
• Improve sustainability performance and targets
• Build credibility as a committed and effective corporate
• Benchmark sustainability performance against self and others.

Deliverables
A GRI sustainability reporting framework containing four pillars of sustainability; Social, Environmental, Product Responsibility & Ethics/Governance. This includes 120+ KPIs, pre-configured reports and dashboards.

Terms
This is a Fixed Scope/Fixed Price offering.

Collection of source data: Gather the data for sustainability KPIs from relevant source systems or flat files.

Upload data: Load sustainability reporting data; perform consolidation across the organization to get the holistic view.

Reporting: Report using pre-configured dashboards and reports. Extend the data points to narrative reporting.

Narrative reporting: Finalize narratives. Generate the narrative-based sustainability report.
Supply Chain Management (SCM)
Sustainable supply chain processes
Best in class processes embedding sustainability

**Efficient Planning**
- Requirement definition to delivery, including ESG considerations
- AI for forecast accuracy

**Smart Manufacturing**
- Percentage of input materials from recycled, remanufactured content

**Integrated Logistics & Compliance**
- Incorporate government & trade regulations and track compliance
- Monitor emissions by shipment and modes
- Reduce carbon emissions via route optimization
- Product take back for reuse and recycling

**Sustainable Procurement**
- Screen and score suppliers ESG credentials
- Include ESG contractual clauses in negotiations

**Streamlined Maintenance & Field Service**
- Predict maintenance needs
- Optimize parts inventory and service

**Optimized Inventory / Warehouse**
- Monitor inventories globally to identify the efficient ways to warehouse and distribute goods

**Reliable Financials & Analytics**
- Capture energy consumed, percentage grid electricity, percentage renewable, carbon emissions
Intelligent applications support sustainability efforts through monitoring, reporting and analytics

Connected Assets and IOT
Better product quality and lifespan
Design for the environment

Smart Manufacturing
Eliminate inefficiencies
Resource utilization
Increase productivity

Connected Logistics
Reduce waste
Reduce excess inventory
Lower carbon footprint

Workplace Safety
Protect safety, health and welfare

Intelligent Track & Trace Blockchain
Transparency and traceability
IoT intelligence and track & trace

Eliminate inefficiencies and maximize quality, maximize resource utilization, turn data gathered by IoT into actionable insights.

Reducing waste by monitoring temperature and cargo conditions of shipments across transportation and warehouse systems.

Traceability and transparent reporting allowing for end-to-end visibility and maintaining customer confidence.
Oracle Cloud Infrastructure

Secure, high-performance platform for all your workloads
# Oracle enabling integrated management of sustainability

Engineered to deliver results across platforms

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OCI: A complete cloud infrastructure platform

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<th>Oracle Applications</th>
<th>Custom Applications</th>
<th>ISV Applications</th>
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<tr>
<td>Developer Services</td>
<td>Containers and Functions</td>
<td>Application Integration</td>
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<td>Storage</td>
<td>Networking</td>
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<td>Security</td>
<td>Observability and Management</td>
<td>Compliance</td>
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Global Cloud Datacenter Infrastructure

Commercial and Government Public Cloud Regions | Hybrid Cloud: Cloud@Customer, Dedicated Regions, Roving Edge

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Reduce your carbon emissions by moving to the cloud

By moving to the Cloud customers no longer need to manage for data center emissions – whether diesel backup generation or procuring electricity. Oracle provides a sustainable holistic solution and our renewable energy goal of 100% by 2025 supports our customers’ targets. In addition, Oracle manages all reuse and recycling of retired IT assets. Emissions resulting from equipment and spare parts delivery are also reduced (already down by 45% since 2015).

Before | proliferation of on-premise data centers

After | consolidated global data centers
Why customers are choosing OCI

1. Easy migration of critical enterprise applications
2. All services developers need to build cloud native applications
3. Autonomous services to manage security, performance and scalability
4. Most complete support for hybrid cloud strategies
5. Security—built in, on by default, at no extra charge
6. Superior price-performance
7. Supports their sustainability goals
## Customer Case Study | Railway company

### Scenario
Migrating from a customer hosted Oracle ERP solution to Oracle ERP on Oracle Cloud (OCI) in an EMEA datacentre

### Highlights
- **62% reduction** in the applications electricity consumption
- **93% decrease** in GHG emissions following the migration to Oracle Clean Cloud.
- **99.9%** hardware recycling rate – Oracle’s investment in circularity reduces the environmental impact associated with end-of-life hardware

### Estimated power consumption comparison on-prem to OCI (5 years)

### Comparison of greenhouse gas emissions by scope

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<th>Scope</th>
<th>On-Prem ERP</th>
<th>ERP on OCI</th>
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<td>Total</td>
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Technology as a tool kit for possibilities

New technologies allow for fit-for-purpose solutions.

Deploying drones and autonomous technology to identify and remove pollution in public waterways.
Technology as a tool kit for possibilities

New technologies allow for fit-for-purpose solutions.

Oracle helped enable Australian supermarket chain Coles to access full reporting and auditing capabilities on packaging recyclability.
Customer success
Sustainable computing on OCI

- Substantial reduction in its carbon footprint supporting the corporate goal of achieving zero emissions by 2030
- Discontinued dozens of databases and applications with low usage
- Decommissioning 470 servers
- High availability and scalability fulfilled requirements for improved security, reduced downtime, and reduced risks of data loss
- Fivefold reduction in time elapsed for job loading into its data warehouses

“Oracle Cloud Infrastructure is a great platform, easy to navigate, and very transparent on the services it provides. We are using everything it offers to deliver a better service to our customers and as part of our zero-emissions sustainability drive.”

Janaina Hyldvang
Cloud Center of Excellence Lead

Read the full story here
Supporting the renewable energy transition with HPC

• National Grid ESO needed machine-learning models to accurately predicting the available renewable energy at any given moment

• Instead of estimating the power from just a few hundred big power plants, there are now millions of generation sources, with each solar panel and wind turbine exhibiting its own distinct behavior

• Using Oracle High Performance Computing (HPC), National Grid’s machine learning can analyze renewable energy sources 40% more accurately compared to prior solutions with query times reduced from hours to minutes

“The solution allows us to see patterns in data that we couldn’t see before and that aren’t obvious to humans.”

James Kelloway
Energy Intelligence Manager
LiDestri Foods eliminates food waste with better planning

Premier private label and contract manufacturer of food, beverages, and spirits

Value
Business benefits realized

$2M reduction in food waste
10% inventory reduction
Simplified new product planning
Significantly decreased costs
Improved customer collaboration

“With Oracle’s demand management cloud, we’ve been able to realize millions of dollars in savings through inventory reductions and more than $2 Million through reduced food disposals.”

John Matrachisia
CIO

Read the full story here
Unilever drives transportation efficiency
Leading global provider of food, home and personal care products

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<th>Reduced</th>
<th>29M fewer vehicle Kms driven</th>
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<td>9% reduced CO2 emissions</td>
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<th>Improved</th>
<th>10% inbound container utilization</th>
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<td>Visibility into vehicle utilization</td>
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<td>3% load optimization improvement</td>
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“Unilever is committed to growing our businesses sustainably. Working with Oracle Transportation Management, we are contributing to a more sustainable supply chain through streamlining shipping, improving communications with providers and helping reduce CO2 emissions.”

Wendy Herrick
Vice President Supply Chain - US

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Exelon creates value for every customer with dynamic pricing

• BGE and ComEd (Exelon companies) both chose to deploy peak-time rebate programs capable of reaching all of their customers
• They use Opower’s Behavioral Demand Response solution to deliver personalized, AMI-enabled communications before and after peak event days to increase customer awareness and participation
• Results beat expectations and continue to improve over time

“BGE is committed to engaging customers in energy efficiency, behavioral, and demand response programs like BGE Smart Energy Rewards® that help customers save energy and money.”

America Lesh
Baltimore Gas & Electric
d.light empowers lives

- Global leader provides affordable solar power to 100M in 70 countries
- With its inexpensive, highly durable, solar-powered lamps, d.light provides renewable energy to the world’s most disadvantaged people
- Use of d.light’s products during more than a decade has offset 23 million tons of CO₂, what 5 million passenger vehicles put out in a year
- d.light uses Oracle Autonomous Database and Oracle Analytics to consolidate customer and other data previously locked up in spreadsheets

“Our goal is for people across the globe, regardless of their income level, to be able and happy to transition to renewable energy.”

Sam Goldman
President and Cofounder

Read the full story here
Managing facilities intelligently

- Oracle manages over 20 million of square feet of real estate worldwide
- Oracle has set goals to use 100% renewable energy by 2025 and to be Net Zero by 2050
- Oracle IoT Cloud is used to monitor and manage key facilities in order to maximize energy efficiency
- In addition, Oracle Analytics Cloud is leveraged to deliver data on dashboards
- More active and precise management of energy has led to millions of dollars in operational cost savings

“The Oracle Cloud IoT solutions empower real estate facilities professionals to embrace innovation, adapt to change, and use a data-driven approach to operations and space design that’s sustainable.”

Francisco Ruiz
Director of IoT, Global Real Estate and Facilities
Retraced ensures ethical fashion

- German startup for sustainable sourcing of apparel, footwear, and jewelry fashion brands
- Blockchain ensures data collected at every step of each customer’s supply chain is reliable
- Analytics provide quick insights to supply chain key performance indicators
- From startup to launch on Oracle Cloud Infrastructure suite of services in 12 months
- ADW and ATP auto-scales capacity for data and Kubernetes engine with no database admin

“Our customers want to understand where their products come from. We have to make sure the data we collect is correct and not tampered by anyone.”

Lukas Puender
Co-Founder
GreenGo revs up operations with Oracle Cloud

• Car-sharing service turned to Oracle Cloud Infrastructure for the flexible, scalable IT capacity it needed to grow
• Experience 6X in growth in only a few years
• After GreenGo implemented Oracle Cloud Infrastructure services, it was able to process 60,000 vehicle-status updates in only 10 seconds, a major turnaround from the network outages and system timeouts it had experienced using its on-premise, shared-server setup

“We want to create a community where people feel responsible for their environment and are willing to change their behavior for the sake of their future and others.”

Bálint Michaletzky
Managing Partner
Driving efficiency in mining

• The world’s largest mining operations are looking to become more efficient, given that ore deposits are harder to reach and environmental costs are a key factor
• MineSense Technologies’ data-intensive approach can help them dig iron, copper, zinc and nickel more precisely
• Oracle Autonomous Data Warehouse ingests daily IoT sensor data at 2X faster performance than its previous solution, and it lowers MineSense’s costs through its autoscaling

“We are fundamentally a data company. The data we produce, combined with our advanced machine learning algorithms, is at the very core of the value we generate for mines.”

Jeff More
CEO
Synlait

Synlait directs HR diversity initiatives with Oracle HCM Analytics

• Selected Oracle Cloud HCM to deliver self-service to all employees and provide the data and information that Synlait can turn into the strategic advice that its business

• With one quick view, Oracle Fusion HCM Analytics highlights which function or department is light on gender, tenure, and age, enabling a course correction on recruitment, compensation actions, and even succession planning.

“The biggest thing we’ve learned is to trust the system, to believe the system as best practice. Oracle has brought clarity and transparency to the HR functions, and once put into play, it began to change behaviors...”

Andrew Dunner
Head of HR Shared Services, Synlait

Read the full story here

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Protecting biodiversity

35 expeditions completed around the world

6M square kilometers protected

26 marine reserves created
Sustainability Customer Awards

Recognizing customers using Oracle solutions to drive both business and environmental performance.
Resources

Leveraging technology to build a better future.
Oracle operating sustainably

Oracle Sustainability Homepage
Oracle Social Impact Datasheet
CDP climate change survey response
2025 sustainability goals
Corporate Citizenship Report [GRI, SASB, TCFD]
Oracle policies and standards
Oracle environmental policy
Position on use of harmful substances
Oracle materiality assessment