ORACLE

Oracle Industry Playbook

Energy and Water

—

Energy and Water

In the future, leading utilities will thrive because of their ability to respond quickly, drive new revenue streams, and offer value-add services in the face of a changing industry.   There is an incredible need for whole new levels of automation to solve the challenges that utility organizations face. There is a need for solutions that work smarter for you, providing you unfettered access to your business data and embedded AI to drive better decisions and more efficient operations.

For decades, Oracle has provided the technology to help utilities around the world transform by knowing what it takes to deliver a technology platform that enables utility leaders to respond to change quickly so they can thrive in the industry of tomorrow.

Key Imperatives for Energy and Water

1 Power through change with united operations and business solutions

2 Develop secure, scalable, and automated systems to support innovation

3 Drive sustainability and increase reliability while serving all communities equitably

Forces Shaping the Energy and Water Industry

INDUSTRY CHALLENGES

Navigating Energy Transition
Siloed operating models create lack of business agility and stifles innovation, limiting ability to capitalize on sustainable development.

Managing Grid Resiliency
Lack of real-time operational intelligence to effectively derisk aging assets and properly plan for next generation infrastructure to manage renewables.

Reimagining the Customer Dynamic
Limited insights to manage evolving customer preferences, build new business models, and expand new B2B and B2C channels.

Derisking Critical Infrastructure
Lack holistic view of cyber and physical threats which leads to compromised systems, increased risk, poor reliability, and lower customer satisfaction.

Net Zero Compliance
Inability to navigate shifting financial, operational, and regulatory battlelines due to fragmented planning and strategy systems, leading to poor performance.

VISION OF SUCCESS

Faster digital innovation though integrated, scalable platforms – where clean energy planning and technology goals are inseparable – to accelerate new business models, reinvest capital to deploy renewable capacity, and optimize strategic decision-making.

Real-time insights combined with textual and geophysical data to derisk aging assets, improve grid reliability, and build a next generation interoperable infrastructure to manage renewable disruption.

Fueling innovation, driving new experiences, and creating new value streams – leveraging intelligent insights to fuel energy transition – while forging new alliances and partnerships.

Implementation of converged, intelligent cyber resilience planning with data and cyber-physical security, and governance strategies across security domains to quickly identify, prevent, and mitigate threats.

Unification of real-time data across the value chain that lays the foundation for new digital reporting and compliance value streams that match net zero goals, builds stakeholder trust, and enables action for sustainable operations.

Oracle Industry Suite for Energy and Water

Future-proof your business with a secure, scalable, high-performance cloud

Oracle Industry Applications / Solutions

- Meter Data Management
- Customer Care and Billing
- Field Service, Work and Asset Management
- Network and Outage Management
- Distributed Energy Resource Management
- Capital Asset Planning and Project Management

3rd Party Applications / Solutions

- Treasury
- Tax
- FERC Compliance

Oracle Applications

ERP — Enterprise Resource Planning
- Global Accounting
- Performance Management
- Procurement
- Projects
- Joint Venture
- Risk Management and Compliance

SCM — Supply Chain and Operations
- Planning
- Product Lifecycle Management
- Service Logistics
- Inventory Management

HCM — Human Capital Management
- Human Resources
- Payroll
- Health and Safety
- Talent Acquisition
- Talent Management
- Learning Management
- Workforce Management

CX — Customer Experience
- Marketing
- Partner Relationship Management
- Customer Data Management

Platform Services

PS — Platform Services
- Compute
- AI / ML
- Integration
- Security
- Extensibility
- Analytics
- Data

Commercial and Industry Specific Clouds

Cloud@Customer

Oracle Fusion Cloud Applications Suite

A platform for enterprise-wide transformation

Customer Experience

Marketing

Sales

Service

Supply Chain & Manufacturing

Supply Chain Planning

Inventory Management

Manufacturing

Maintenance

Product Lifecycle Management

Procurement

Order Management

Logistics

Enterprise Resource Planning

Financial Management

Procurement

Project Management

Risk Management and Compliance

Enterprise Performance Management

Planning, budgeting, and forecasting

Profitability and Cost Management

Financial Consolidation and Close

Account Reconciliation

Tax Reporting

Enterprise Data Mgmt.

Human Capital Management

Human Resources

Talent Management

Workforce Management

Payroll

Data Intelligence

Revenue Transformation

Back-office Unification

Customer Experience

Supply Chain Unification

Financial Excellence

Empowered Workforce

Connected Planning

Oracle Fusion Cloud ERP

AI-Powered Finance

Financials

General Ledger

Accounting Hub

Payables & Assets

Treasury & Payments

Expense Management

Receivables & Collections

Bill & Credit Management

Revenue Management

CPQ / Subscription Management

Joint Venture Management

Lease Accounting

Procurement

Supplier Qualification Management

Sourcing

Procurement Contracts

Self Service Procurement

Purchasing

Supplier Portal

Spend Classification

Project Management

Cost Management & Control

Billing & Revenue Mgmt

Planning, Scheduling & Forecasting

Project Asset Management

Project Management

Resource Management

Program Management

Grant Management

Task Management

Enterprise Performance Management

Enterprise Planning

Profitability & Cost Mgmt

Narrative Reporting

Financial Consolidation & Close

Account Reconciliation

Tax Reporting

Enterprise Data Management

Risk Management

Separation of Duties Reporting (SOD)

Preventive SOD User Provisioning

Security Monitoring

User Access Reviews & Certifications

Fraud & Payment Monitoring

Configuration & Audit Monitoring

Internal Control Assessments

Risk & Controls Matrix

Workforce Health & Safety

Touchless Operations

Predictive Insights

Connected Actions

Oracle Fusion Cloud SCM

Deep Functional Integration Connecting the Digital Thread

Supply Chain Planning

Demand Management

Supply Planning

Sales & Operations Planning

Supply Chain Collaboration

Supply Chain Execution

Inventory

Costing

Manufacturing

Maintenance

Quality

Production Monitoring

Order Management

Order Management

Product Configuration

Order Pricing

Global Order Promising

Channel Revenue Management

Logistics

Transportation Management

Global Trade Management

Warehouse Management

Logistics Network Modeling

Product Lifecycle Management

Innovation Management

Product Hub

Product Development

Quality Management

Procurement

Sourcing

Contracts

Purchasing

Supplier Management

Strategic Sourcing

Smart Operations

Perfect Order

Strategic Sourcing

Revenue Transformations

End to End Visibility

Oracle Fusion Cloud HCM

Empowering Employee Success for Exceptional Business Outcomes

Human Resources

Benefits

Core HR

Work Life

Workforce Modeling & Predictions

Strategic Workforce Planning

Advanced HCM Controls

Talent Management

Recruiting

Onboarding

Learning

Career Development

Opportunity Marketplace

Performance Management

Compensation

Succession Planning

Dynamic Skills

Workforce Management

Time & Labor

Workforce Scheduling

Workforce Labor Optimization

Absence Management

Workforce Health & Safety

Payroll

Payroll

Payroll Core

Payroll Interface

Employee Experience

HCM Communicate

Journeys

Connections

Grow

Touchpoints

Celebrate

HR Help Desk

Digital Assistant

Intelligent & Automated People Processes

Hyper-Personalized Experiences

End-to-End Visibility

Oracle Fusion Cloud CX

Maximizing the Power of Your Enterprise Data and AI

Marketing

Unity Customer Data Platform

Eloqua Marketing Automation

Responsys Campaign Management

CrowdTwist Loyalty and Engagement

Sales

Fusion Sales

Sales Force Automation

Configure, Price, Quote (CPQ)

Subscription Management

Commerce

Incentive Compensation

Service

Fusion Service

Digital Customer Service
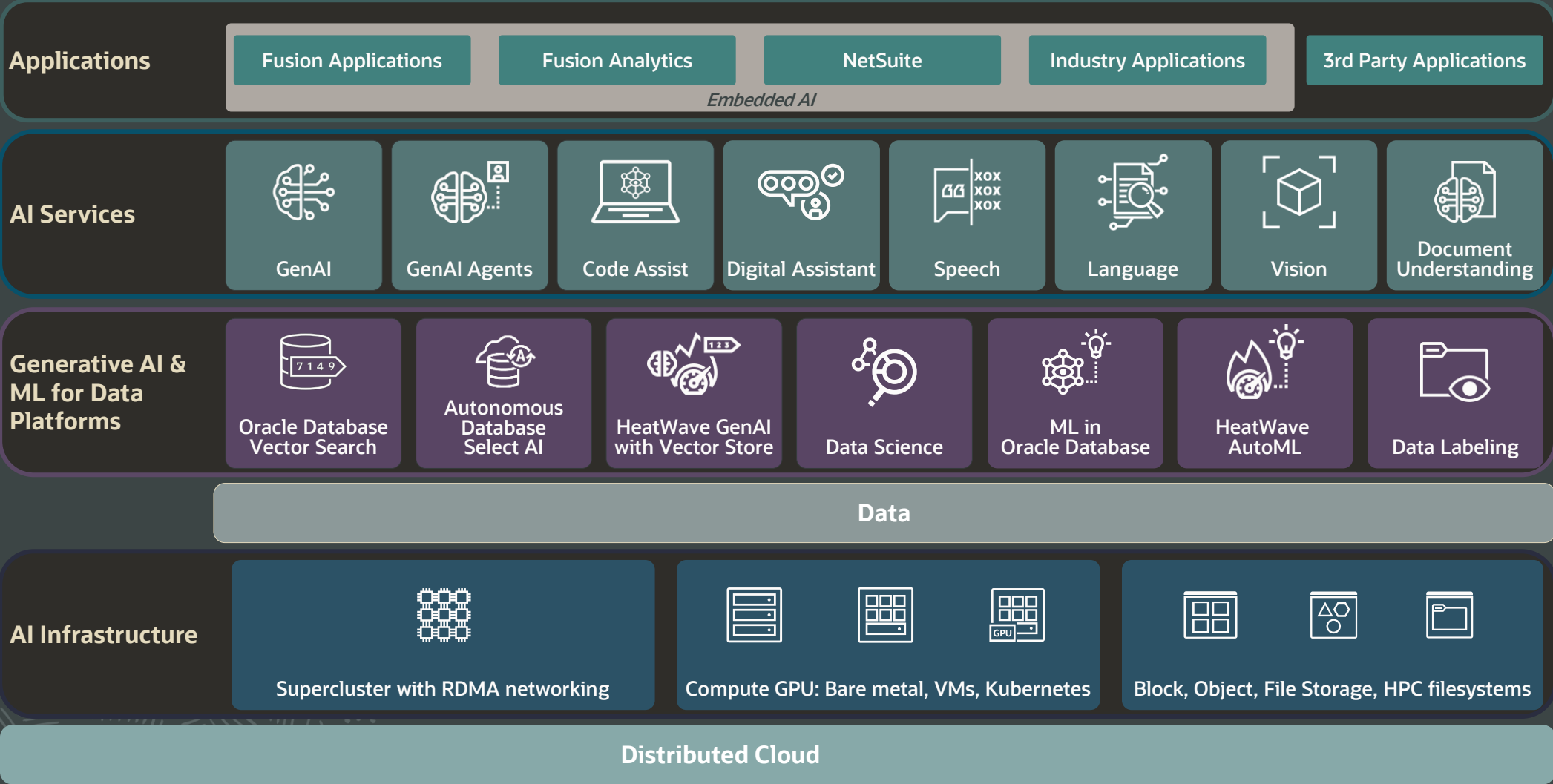
Field Service

Knowledge Management

Service Logistics

Revenue Transformation

Service Automation

Marketing and Sales Unification

Single Customer View

The Oracle AI Stack

Applications

Fusion Applications | Fusion Analytics | NetSuite | Industry Applications | 3rd Party Applications

Embedded AI

AI Services

| GenAI | GenAI Agents | Code Assist | Digital Assistant | Speech | Language | Vision | Document Understanding |

Generative AI & ML for Data Platforms

| Oracle Database Vector Search | Autonomous Database Select AI | HeatWave GenAI with Vector Store | Data Science | ML in Oracle Database | HeatWave AutoML | Data Labeling |

Data

AI Infrastructure

Supercluster with RDMA networking | Compute GPU: Bare metal, VMs, Kubernetes | Block, Object, File Storage, HPC filesystems

Distributed Cloud

AI Partners and ISVs

Oracle knows Energy and Water

2.8B
delivering 2.8 billion customer bills a year

38TWh
conserving 38 trillion kilowatts of energy since 2009

3.8T
managing 3.8 trillion AMI data reads annually

$3.6B
saving $3.6 billion in customer energy costs since 2009

Extensive Partner and ISV Ecosystem

accenture

Deloitte.

IBM

pwc

Infosys

cognizant

KPMG

tcs

NVIDIA

wipro

Informatica

Palantir

+20,000
Partners and ISVs

More Industry and Leadership Awards Than Any Other SaaS Company

ERP	SCM	HCM	CX
28X	**10X**	**8X**	**22X**

Gartner, Forrester, IDC, Omdia

Number of times top-tier analyst firms placed Oracle in
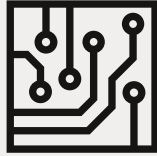a leadership position over the last 36 months

Why Oracle?

Complete Suite

Best-of-breed apps designed and built for changing customer needs—with machine learning, process automation, and other customer-driven innovations.

Finance, HR, supply chain, manufacturing, marketing, sales, service and analytics built to work together.

100s of new features each quarter.

Best Technology

Next-generation cloud infrastructure (OCI) designed for Fusion Applications.

The only public cloud with the performance, security and availability to run your mission-critical operations.

40 cloud regions worldwide for commercial and government with 9 more planned.

Applications Platform

Award-winning consumer-grade+ user experience built with Redwood Design System.

The same tools for all developers to easily personalize, extend and build applications.

Self-learning and self-improving applications.

Oracle Playbook