Oracle
Utility Cloud

Introduction

Today, utilities worldwide are under stress. Customers necessitate energy and water that do not threaten environmental quality. Financial stakeholders seek operational effectiveness at a time when maturing workforces and infrastructures require replacement.

Regulators solicit action on Smart Grid and Smart Metering initiatives that combine intelligence to support. Customers demand selection and availability—but without extra costs.

Demands like these are pushing today's utilities to re-examine every phase of their business, from supply to consumption. And no utility can approach these hurdles singly.

Oracle has placed itself as utilities' software partner of preference in the search to reply positively to these demands. Oracle brings innovative solutions that enhance productivity, increase stakeholder satisfaction, future-proof your business—and help your company convert into a next-generation utility.

The Differentiators

- Oracle enables utilities with the most comprehensive collection of software choices. It helps address developing customer needs, deliver utility-specific services, improve corporate administration performance, and transform business data into business intelligence.

- Oracle helps utilities approach critical issues while evolving toward a more cohesive, productive IT future. Businesses can execute many pre-integrated applications that facilitate the development and administration of cross-departmental business methods.

- Customizing vendors is costly, time-consuming, and unpredictable. And once the customizations are in position, it becomes impossible—to update the software as a new market and regulatory specifications develop. Oracle resolves this difficulty by letting you accommodate software to your requirements through configuration. During implementation, you make a set of options that tailor operations to your specific needs. And Oracle stores those choices through various updates and upgrades.

- Oracle applications with current legacy or other non-Oracle packages are a straightforward method that helps make more agile implementations and more fluid operations.

- Even before new technology is ready for global release, Oracle applications, and middleware developers are modernizing their software to benefit from the technology change.

- Oracle's unique integration and technology partners improve products and services with a vision and dedication that assures the best software industry can offer.

Oracle Smart Grid

Oracle's smart grid software is a uniquely placed solution to provide utilities with end-to-end applications to help solve Smart Grid's roll-out technology demands. The operational applications' role starts with handling complex event processing, batch operations, streamlining business methods, business applications' alignment, exponential data increase, and visualization for embedded spatial abilities. Also, communication with the utility customer is changing. Oracle's Smart Grid Gateway is the connection to these mission-critical systems and the tools that power them.

Oracle Smart Meter

Oracle's smart metering software allows clients new methods to save energy, potentially decreasing their bills and carbon footprint. It blends with many advanced metering solutions and functions as a central data repository. Oracle Utilities Meter Data Management supports processed and formatted data to various Oracle utility applications.

Mission-Critical Utility Operations

- As utilities shift toward interval billing, Oracle Utilities Meter Data Management authorizes all applications to collect the metering data they need. Utilities without vast volumes of metering data can decide to manage all metering and billing functions within Oracle utility Customer Care and Billing.

- Oracle Utilities Mobile Workforce Management guarantees that field teams reach the sites of accidents on time, through the best route, with the best abilities and tools to get the job done.

- Oracle Utilities Work and Asset Management approach maintenance and restoration, construction work administration, and replacement in addition to the supply chain.

- Oracle's portfolio management applications can be leveraged to efficiently handle the whole project portfolio to achieve operational effectiveness across the enterprise. The solution enables you to execute projects across generation, transmission and delivery, and new clean-energy investments.

- Oracle Utilities Portfolio Management combines the retail sales and complete procurement books; it authorizes the evaluation of exposure for load forecasts.

- Oracle Utilities Load Analysis gathers, maintains, interprets, and stores vast volumes of energy data. Oracle Utilities Load Profiling and Settlement affects settlement, data aggregation, profiling, and forecasting.

- Oracle Utilities Network Management Systems is a broad, combined suite of real-time outage and distribution control applications. It operates with your current SCADA, GIS, and related systems to expedite network restoration, enhance operational efficiency and system safety, and ultimately manage distribution assets.

Business Intelligence

Oracle Utilities BI is a comprehensive business intelligence solution developed for Oracle utility applications and devised with extensibility in mind. It gives pre-built technical business processes for Oracle utility solutions such as Customer Care and Billing, Work, Asset Management, Network Management System, and Mobile Workforce Management, allowing utilities to conduct separate analytic reporting of those utility applications. Additionally, the UI works with the pre-built data warehouse to display configurable KPIs through different graphical metaphors or tabular records.

Identity Management

Oracle Identity Management enables organizations to handle user identities' end-to-end lifecycle across all devices both within and beyond the firewall. It supports utilities to deploy applications quicker, improve protection, and reduce latent access privileges.

Security

Implementing sound security to your utility methods is imperative. Oracle Security Technology is unprecedented in the industry, providing reliable meters and data by improving AMI security and complete meter data security. An agile design for compliance helps decrease time and cost and aids in accelerated adaptation to new laws and orders.

Closing Thoughts!

Today's electric, gasoline, and water utilities require software applications and technology to work as a strong springboard to face the future's hurdles. CriticalRiver provides Oracle solutions, whether you are looking for one application or many integrated applications.

We enable you to meet tomorrow's consumer demands while addressing the changing concerns of stakeholders, workers, communities, and governments.

We work with you to address rising concerns and evolving business requirements. We help you benefit from modern technology directions and combine innovation seamlessly into continuous activity to take your utility ahead.

For more information, contact@criticalriver.com