



Utilities

– Work and Asset Management

Overview

Digital Transformation brings up a lot of challenges for utilities that want to become next-generation utilities, as most of the systems are more than a decade old that involve paperwork with a lot of handoffs. Utilities are moving towards clean energy and renewable generation is becoming an important part of utility infrastructure. This brings up the need for managing new assets, along with old assets, and providing services without downtime is very critical.

Work and Asset management is one area that brings many challenges for utilities.

1. **Aging Assets and Infrastructure:** Most of the utility assets are more than 30 years old and if a mission-critical asset fails, then it impacts a lot on overall profit, and utilities cannot afford that to happen, hence management and maintenance of these assets are highly important.
2. **Reactive Maintenance:** Equipment failure is very common in utilities; production downtime and repairs cost a lot to utilities. Utilities need to keep their asset available all time, but when equipment fails, utilities launch corrective measures to restore the services, resulting in a high impact on cost. This needs prevention and hence, effective maintenance, planning, and scheduling strategy is required, which will prevent failure and keep assets up and running.
3. **Asset Health Monitoring:** To determine if an asset needs to be replaced or repaired, it is critical to know the condition of the asset so that the right decisions can be taken, which will involve maintenance or replacement of the asset. This brings up the need to monitor asset health which will also ensure that the critical task is picked up on time with priority.
4. **Smart Device Management:** Utilities have deployed thousands of smart meters and smart devices, and managing the inventory for them is very difficult without a proper system in place. It is challenging for utilities to roll out the truck to know the location, device information, device history, perform configuration management, firmware upgrades, etc.

Overview

Oracle Utilities WAMS provides comprehensive support for all the assets so that they can be managed and maintained effectively. It also provides proactive maintenance by automating the planning and scheduling of parts and labor requirements. The scheduling tool ensures optimized resource availability to make sure the right thing is assigned for the right job. Automated job templates and work orders can be modified with learning acquired on the job. These templates act as a knowledge repository and help reduce reactive work, and eliminate backlog as the efficiency of work is increased.

Oracle WAMS provides a real-time view of asset health and condition. It acts as a single system to manage all asset information. With the help of an accurate and real-time view of asset health, critical work can be done on time and within budget. Oracle WAMS includes operational device management that provides device location, and characteristics, maintain the history, and perform remote firm upgrades and configuration management, which will reduce truck roll-outs resulting in cost saving.



LTIMindtree Capabilities

LTIMindtree has a team of more than 50 professionals with deep functional and technical knowledge of all Oracle Utilities products:

- Experience in managing the development and implementation teams that architected, designed, and developed the Oracle Utilities products.
- Our team has developed the install-and-upgrade solutions for all the Oracle Utilities products; hence well-versed and capable of managing complex implementations and upgrades.
- Strong performance testing, performance tuning, and benchmarking experience.
- Proven approach and methodology.
- Solid resource pool of the following:
 - Solution architect.
 - WAM functional for configuration, support to UAT, and training.
 - OUAF technical for customization.
 - SOA for integration with other legacy applications.
 - Data migration.
 - Admins for database and application.

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 84,000+ talented and entrepreneurial professionals across more than 30 countries, LTIMindtree – a Larsen & Toubro Group company – combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit <https://www.ltimindtree.com/>