



Case study

Consumption Analytics Implementation Program for US-Based Energy Company

LTIMindtree enabled real-time view of usage for the client's end users.

Client

The client is a USD 14 billion American company involved in energy generation and retail electricity. Their portfolio includes nuclear generation, coal generation, wind generation, utility scale generation, distributed solar generation, and oil generation. It serves ~2.9 million customers across various states in the US.

Challenges

With the focus on the customer, the client was looking to provide value-added benefits to its customers and improve their overall experience. With this view, the client wanted to empower customers and give them an analytical view of their consumption at any given point of time.

LTIMindtree Solution

LTIMindtree developed a powerful solution anchored around our core analytical capabilities. We wrote various algorithms and developed an interface, which provided following useful information to the end users -

- User usage and usage history with rich UI graphical charts.
- Data shown at highly granular level and user can manage and monitor their usage online.
- Data shown at daily, monthly, weekly, and yearly basis.
- Usage comparison with previous day, week, month, and year.
- Home Energy Monitor to monitor appliances consumption data.
- Peer Compare solution to compare usage.

Business Benefits

- **Smart Metering solution attracted more consumers by its feature, which provided granular energy consumption information on dashboard and control mechanism.**
- **Improved customer retention because of the facility of the advanced features.**
- **Detailed analysis helped consumers to manage/use electricity efficiently, thus resulting into energy and money savings.**
- **User-friendly interface to enhance customer experience.**

Technology

Java, Spring, Hibernate, Webservices.

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