



Case study

Smart Metering Integration for Swedish Power Company

The European power company realized seamless integration from smart-meter-to-cash process, with 0% data loss.

Client

The client is a state-owned Swedish major and generates power not only in Sweden, but also has a wide presence in countries such as Denmark, Germany, Finland, Netherlands, and UK.

Challenges

The client had implemented smart meters for capturing consumption data from end users. However, the company was struggling with seamless integration between the smart meters and downstream applications like Billing, CRM, DW, etc. The result of such disconnect was that incorrect information was available at application level, difficulties in managing large files with high frequency, delay in billing, and data loss. The impact of such inefficiencies got reflected in loss of revenue, high wait time in payment settlements, as well as customer complaints.

LTIMindtree Solution

LTIMindtree's approach was centered around developing a system for seamless integration between the smart meters and downstream billing applications. We set on system level changes and implemented SAP billing application and integrated it with the system. We implemented, harmonized, and took up the task of management of the entire Enterprise Integration layer using Microsoft BizTalk Middleware.

In addition, we developed interfaces for their Smart Grid program (GRID4EU), which can capture such values as hourly meter values, daily readings, general events and real-time events. This helped us transform their entire meter to cash process. Now we can process huge volumes of Smart Meter Data, with no data loss in meter to cash process.

Business Benefits

- **Seamless data transfer with no data loss.**
- **Easy-to-manage large volumes files easily with high frequency.**
- **On-time billing and settlement resulting in direct impact on the topline and satisfied customers too.**

Technology

SAP, Microsoft BizTalk Middleware.

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