Streamlining Utility Data Collection and Extraction for a Software Company

ARDEM Incorporated
Success Delivered

Transforming Data For Efficiency

A software company focused on providing solutions for energy and manufacturing industries was looking to outsource their utility data collection and extraction process. The data collected from utility bills provided a fully outlined historical view of all the data on each bill such as consumption, meter number and total cost along with any descriptions provided. With an average of 400-500 invoices monthly, this process was a struggle to maintain as an in-house task.

Collecting and Normalizing Utility Data

The challenge was that some of these utility bills needed to be downloaded from the utility company site and normalized into a usable format to be easily ingested into the software. Since each utility company provided bills at different times during the month, it would require a consistent schedule to follow-up on each website and ensure that the bills have been downloaded.

The rest of the bills would be uploaded onto a secure server for ease of access. In addition, each utility provider had their own bill format and metrics for how much of a utility service was used per billing period. Manually downloading these utility bills and checking to see whether or not they have been uploaded each day is very time consuming and an inefficient process.

Key Benefits

- **Large utility mapping database**

- **Extensive Quality Assurance**

- **Machine learning and artificial intelligence**

Utility Bill Processing Enhanced

⇒ Data captured from utility bills are normalized to provide the most accurate historical utility database. With increased visibility, quickly compare and identify the best methods to internalize and improve sustainability and conservation goals.

⇒ Each utility vendor has their own bill format and their own set of metrics that they prefer to outline consumption and usage. ARDEM's utility database has thousands of different vendors mapped so that extraction is quick and accurate.

Mapping Utility Efficiency and Success

ARDEM implemented a solution through a combination of technology and human interaction, to automate the collection of utility bills from specific websites. As an experienced utility bill management company, ARDEM has a large mapping database of hundreds of thousands of different utilities providers to quickly automate utility data collection.

Using ARDEM Data Capture, specific fields such as bill date, consumption, meter number, account number, and total amount due are extracted in a fraction of the time it would take to complete in-house. The data was run through multiple quality assurance procedures, both programmatic and manual, to ensure the accuracy of data.

The CEO of this software company found value in ARDEM's ability to quickly deliver accurate data in a JSON file format which provides the data in a logical manner to be ingested into software. By transforming both the manual collection of data and implementing automation, this software company was able to save greatly on their time and operational costs!
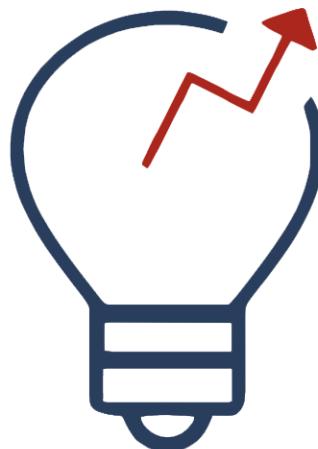
Take the stress out of meeting due dates and avoiding late fees. ARDEM transforms your current process using a combination of automation and methodology for accurate Utility Bill Analysis and Utility Bill Management Services