



KNOWLEDGE-DRIVEN LOSS MINIMIZATION (KLM)



Dashboard
Data centric
performance report



**Export lossy
client list**
With single click of button



**Reduction in
reverification**
Over time

The Client

3rd largest power distributor in
South America

Industry

Energy & Utility

Overview

A leading energy company and a distributor of electricity in South America, with market capitalization of \$156 Bn. Client realizes that there is substantial scope for improving the loss management and demand forecasting functions through advanced technologies.

Business Challenge

With over 150,000 meters located on the customer's premises (residential/commercial establishments), our client relied heavily on these meters to frequently report their energy consumption. Based on certain indicators client analyst team annually identified energy losses; However, they do not know how to prioritize their losses.

Our Approach:

Quadratyx built custom KLM data mart, where we created customer genomes:

-Historical consumption time-lines.

-Critical events happened in the past and so forth.

Given them expert rule-based system that is guided by multiple ML models to generate list of suspicious clients and tag for revision.

Outcomes

- ✓ Dashboard to view/download data centric performance report.
- ✓ With single click of button, based on multiple filters, generate refined list of lossy clients for a given month.
- ✓ Over time, significant reduction in re-verifying suspicious meters.