

CASE STUDY · PERU · BANKING, MULTI-SITE

Eniscope Technology Brings $5.5m Energy Savings to a Nationwide Bank

Peru: EnergyCloud

Best.Energy's leading partner in Latin America, EnergyCloud, has brought remarkable results to one of Peru's top banks. With 27,000 employees, 350 branches and assets valued at $140 billion, this is a substantial project, with the potential of stretching to over 8.5 million data points.

Projected savings for all bank sites sit at over $5m for the project over its ten year period, with more solutions still yet to be factored in.

Already substantial, the potential of this project is massive, and Eniscope sits at its heart.

Why was Bank of Peru interested?

Previously, BCP (Banco de Credito del Peru) measured their energy use through their monthly energy bills. That restricted their view to just 12 instances per year, with no granular breakdown on which to base decisions.

They needed full visibility, to identify where they could save, and that is exactly what EnergyCloud were able to deliver with the Eniscope system.

> **Projected savings sit at over $5m for the project over its ten year period.**





Eniscope
Minute resolution, real-time data from every branch, benchmarked location against location.

From 12 bill readings a year to a live view of every branch: that shift is what made the savings possible.

350
Branches in the bank network

8.5M+
Potential data points

38.2%
Savings achieved at the Bolivar location

$5.4m
Projected portfolio saving

The project

The first place EnergyCloud looked for savings was the air conditioning units, stemming both from operational problems with the system and in-built energy inefficiencies. Beginning with just 4 of the client's 350 locations, EnergyCloud were able to bring $932.41 savings within just 10 weeks. The new Eniscope installations identified that the air con was active 24/7 for 52 days in a row, including 6,849 kWh of out-of-hours consumption.

Building on this initial success, EnergyCloud began work on a larger section of the BCP portfolio, this time 30 locations. In their Bolivar location, for example, savings of up to 38.2% were achieved in the following months, focusing primarily on a combination of air conditioning unit operation and behaviour modifications.

Now, 300 locations are within the scope of the project, amounting to an average monthly expenditure of energy at $429,925, or around $60,819,461 over the next 114 month period of the contract. With portfolio-wide savings predicted at an average of 9% based on performance so far, that is a projected saving of $5.4m.

What next?

Not content with the millions of dollars worth of savings already projected over the life of the project, EnergyCloud are now pursuing phase 2 solutions to make an even bigger difference.

Retrofit technologies like LED lighting, peak-saving batteries, intelligent thermostats and motor control technologies are all being considered to bring those substantial energy costs down further.

What's the secret?

So how have EnergyCloud been able to roll out and manage a project of this scope? The key is Eniscope. Providing minute resolution data, in real-time, means EnergyCloud's team have been able to consistently identify opportunities for low-cost energy reduction strategies, by analysing use trends and events.

Without that pinpoint data, this project would not be possible, and the ability to benchmark location against location has proven invaluable across such a large estate, as have the bespoke public displays which have engaged occupants across the locations to help educate and modify their behaviour.

> **Savings of up to 38% have been identified in some branches.**

Manage a network of branches or offices?

IOTech Energy brings the same location-against-location benchmarking to multi-site operators in Saudi Arabia.

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