

CASE STUDY · MALAYSIA · FOOD & BEVERAGE

Innovative Model Brings Up Front Savings to Secret Recipe

Asian bakery chain becomes first to enjoy up-front energy savings.

In a landmark moment for the global energy efficiency industry, Best.Energy partner Arustrik is delivering an energy saving project across 100 sites that is not just shared savings, but pre-paid savings.

It is the first instance of this model seen anywhere outside of the USA, marking a huge sea-change in the way energy efficiency could be delivered to South East Asia and beyond.

The project is built on substantial, dependable energy savings delivered by a combination of Best.Energy technologies.

What were Secret Recipe looking to solve with an Energy Management solution?

Secret Recipe's energy issues were typical of the food and beverage sector, particularly in South East Asia. Waste was particularly acute in:

- Refrigeration
- Air conditioning
- Lighting

With the Best.Energy technology stack and an innovative financial model, Arustrik have been able to deliver a targeted solution.

Before the full project was approved, Arustrik delivered over 15% savings in a Proof of Value.



Real-time data from every store

Eniscope gives the energy team minute by minute data from each location in one cloud dashboard, so waste in refrigeration, air conditioning and lighting is visible and can be acted on store by store.

1 Million+
kWh energy saved per annum

100
Stores in this project

6 Years
Length of the project

$750,000+
Forecasted savings (USD)

A solution built for multi-site estates

Arustrik had the advantage of a tried and tested solution stack, specialised in tackling multi-site energy inefficiency. That solution begins with cutting edge energy monitoring, before effective energy reducers are then introduced.

World leading monitoring and verification

Already in use with prominent multi-site retailers like 7-Eleven, KFC, McDonald's and Walmart, the energy monitoring system Eniscope was chosen for this project.

The device is easily and quickly installed with no disruption to customer experience. Once in place, it offers eight channels in a single device, able to monitor everything needed across the store on its own and provide real-time, minute by minute resolution data via a cloud dashboard.

Effective and immediate energy saving

With Eniscope now highlighting clear areas of energy waste at Secret Recipe locations, Arustrik were able to further introduce new retrofit energy saving technologies:



Eniscope
Eight-channel energy monitoring with real-time, minute by minute data in the cloud.



ACES 2
A cutting edge product that allows the energy manager to remotely control the air conditioning system using logic based scheduling.



CUES
Changes temperature monitoring in chillers and fridges from assessing the air to the actual food. This saves considerable amounts of energy, without compromising food safety.

What does the future hold?

> Secret Recipe have shown themselves to be dedicated to the goal of energy efficiency and we are proud to be working with them on this. Once we have completed this phase, we hope to be able to expand the project to more of the 300 sites where our technologies can have a fantastic impact.
>
> **MICHAEL MADRIGAL, CEO, ARUSTRIK**

Run a multi-site estate in Saudi Arabia?

IOTech Energy deploys the same Eniscope technology stack for restaurants and retail chains across the Kingdom.

iotechenergy.com