



[KENYA]

ENISCOPE®



## Mövenpick Hotel Shares Savings on Successful Energy Efficiency Project

2021 was a particularly difficult year for the hospitality industry, even more so in countries like Kenya - where tourism is a huge contributor to the economy. Low occupancy rates made their high energy bills all the more hard to stomach.

Fortunately, Best.Energy Global Partner Alcove Ltd was on hand to help this hotel - a Mövenpick Hotel in Nairobi - get control of their energy usage.

The facility stretches across 230 rooms, with kitchens, cold rooms, laundry facilities and extensive air conditioning - in particular - all contributing to high levels of energy spend.

Like all Best.Energy partners, Alcove operate on the basis that 'what you don't measure, you can't manage'.

They set about introducing real-time energy monitoring across the site - installing **four Eniscope 8 Hybrid** devices for a combined 32 three-phase channels of monitoring.

That gave Alcove and the on-site operators instant **visibility of energy consumption down to the asset level** in the Cloud, allowing them to immediately highlight areas to save energy; like:

- 1 Introducing CUES into refrigerated units** in the kitchen areas. These small-but-powerful devices allow a cold unit to operate by food temperature, not air temperature. That reduces compressor cycles - driving down energy consumption, and pushing up lifespan.
- 2 Switching off equipment not in use**, like mini bars in unoccupied rooms.
- 3 Optimising energy-intensive processes**, like laundry washing; which was being run for much smaller loads than usual.



[CONT.]



### What were the results?

Overall, this hotel is now benefiting from around \$4,000 pcm energy savings across the site - equating to a 10-13% reduction in their overall bill. With energy prices expected to rise again next year, the value of those savings will only increase.

### What did it cost the client?

Nothing. This project - like many across the Best Energy network - was delivered on a no CapEx basis. The client and Alcove Ltd share the savings 50 / 50 across the life of the three year contract. Everybody wins!

### What does the client think?

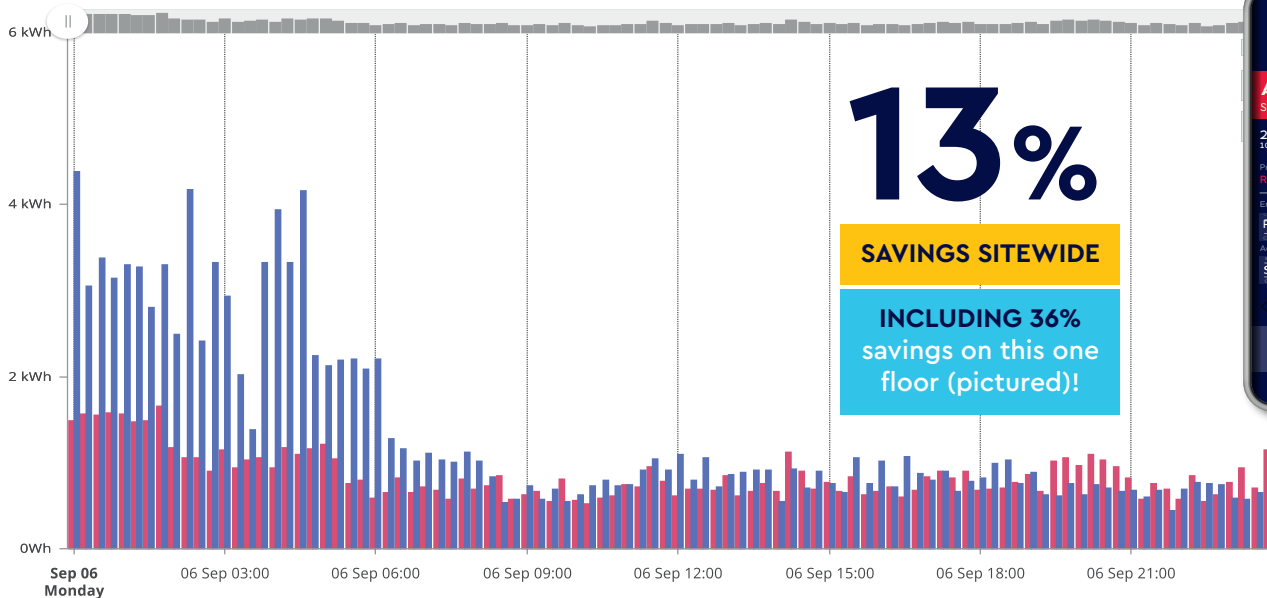


We asked **Thomas Mjomba, Chief Engineer at Mövenpick Hotels Nairobi**, what he thought about the project:

*“Their team have installed online energy monitors that give real time energy consumption data. In just 3 months of operation, we have been able to identify faulty pump controls that kept pumps running unnecessarily and wasting electricity, we have also been able to find faulty cold room doors that led to high energy usage from cold-rooms, besides leading us to identify idle consumption in vacant guest rooms from equipment on standby mode. We are satisfied with their level of detail and professionalism and have no objection to recommending them.”*

### Mövenpick

Htl - 25th Flr, 06 Sept 2021 - 06 Sept 2021 - 15 minutes, System, comparing data from 08/30/2021 to 08/30/2021



■ Htl - 25th Flr - E      ■ Htl - 25th Flr 2021-08-30 - 2021- 08-31 - E

METER	TOTAL	AVERAGE	MAX	MIN
Htl - 25th Flr - E	82.80 kWh	862.49 Wh	1.66 kWh	523.62 Wh
Htl - 25th Flr 2021-08-30 - 2021-08-31 - E	130.23 kWh	1.36 kWh	4.39 kWh	447.10 Wh

