OUR CLIENT

Background

Oootopia, the Hong Kong-based luxury co-living space, has created an innovative new serviced residence concept specifically designed for bringing diverse individuals together in an open community. The brand currently has three properties in Hong Kong: Oootopia Kai Tak, Oootopia Tai Kok Sui and Oootopia West.

The company's core values are enshrined in each of the three 'O's in its name, which stands for Opportunity, Openness and Originality. Referring to its guests as 'Oootopians', the brand promises them the opportunity to meet and interact with people from diverse backgrounds.

The Challenge

Oootopia has joined a growing field of new companies in Hong Kong that are looking to cater to the millennial-driven sharing economy demands, by providing an elegant and inspired solution to the city's famously high housing costs.

As a company that has always prioritised innovation, Oootopia plans to take a step forward in its evolution as a smart eco residence, especially considering that Hong Kong in recent years has seen an increase in energy consumption in residential areas. In light of Hong Kong's increasing population density, Oootopia sought out a smart automation solution to improve their energy efficiency, productivity and sustainability.

Our Solution

Oootopia chose to install SensorFlow's wireless solution across all three of their properties in Hong Kong. With SensorFlow's occupancy sensors, smart AC controllers and energy meters installed across

their rooms, Oootopia was immediately able to automate their Heating, Ventilation and Air Conditioning (HVAC) systems based on room occupancy.

For example, if residents were to exit the room while mistakenly leaving the A/C running, Oootopia's staff has no need to manually enter the room to switch it off. With SensorFlow's solution, A/Cs are automatically switched off when rooms are unoccupied. Staff are also able to remotely control and monitor all A/Cs and their energy use via an online dashboard.

In addition, Oootopia can now automatically track and report on energy consumption at the individual room level, allowing Oootopia access to an accurate and transparent demonstration of their energy use and how the resultant energy savings are generated.

As SensorFlow's solution also collects and reports

the data on a single dashboard, this enables Oootopia to better monitor and manage their resources across the properties more efficiently using a single platform.

"We want to bring much-needed innovation to Hong Kong's residential market. With SensorFlow, we can improve our productivity and sustainability while encouraging our community of Oootopians to make smarter decisions about their energy use."
- Raymond Ng, Manager

The Results

So far, SensorFlow was able to demonstrate monthly savings up to 30% in HVAC energy consumption across Oootopia's properties in Hong Kong. With SensorFlow's smart automation in place, Oootopia has significantly improved their operational and energy efficiency. Subsequently, by also saving on energy consumption, Oootopia can keep costs low while

passing on those savings down to its guests.

In future, Oootopia expects to advance towards predictive maintenance strategies by using SensorFlow's solution to pre-emptively identify rooms with A/Cs that require servicing. This will optimise their engineer deployment, allowing Oootopia to reduce maintenance costs and improve guest experience by only servicing specific rooms when necessary instead of conducting disruptive property-wide maintenance.

Oootopia serves as a leading example to other industry players by being a key early adopter of the latest innovations in smart eco-technology. Moving forward, Oootopia's operator – Elynn Chua – aims to install SensorFlow's solution across all of Oootopia's properties in future to scale their productivity and sustainability while building a smarter, greener brand.

OOOTOPIA

AUTOMATED ROOMS
171

HVAC ENERGY SAVINGS
30%

PROJECT TIMELINE:
SINCE MARCH 2019

IN THE PIPELINE:
PREDICTIVE MAINTENANCE