



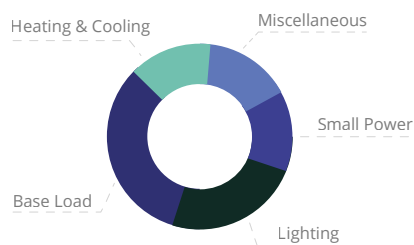
arbninsight™

## Overview

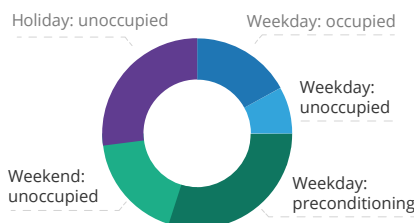
### Energy Use Disaggregation

arbn insight assesses your building's energy consumption, using our state of the art disaggregation algorithm to determine the building's response to its environment.

#### Electricity



#### Wastage



13%  
Potential Wastage

## Features & Benefits

## Product Overview

### Analysing operational energy consumption for global commercial properties.

The arbn insight dashboard shows key parameters for tracking, benchmarking and screening for action.

#### Benefits

- A unique platform that analyses energy consumption data to compare the performance of each building.
- Automatic generation of Energy Conservation Measures (ECM) for cutting cost and reducing carbon.
- Advanced and patented machine learning techniques deliver deep insight into consumption patterns and behaviours.

#### Features

- **Disaggregation** - arbn insight separates consumption into heating & cooling, lighting, small power, miscellaneous and the baseload (5 different types of energy demand).
- **Load shape analysis** - the platform identifies different patterns of behaviour through the year, corresponding to seasons or operating changes.
- **Occupancy pattern** - by comparing with the planned operating pattern for the building, arbn insight identifies the potential wastage of energy outside of working hours.
- **Benchmarks** - arbn insight uses Energy Star benchmarking and our own extensive database of over 8,000 buildings to rank the portfolio against a range of metrics.

Together these four features allow specific recommendations to be made for ECMs.

# Value proposition

- **Increased engagement** – arbn insight supports meaningful engagement with building occupiers by informing them of ways they can save energy and recommendations on how to do so.
- **Net zero carbon** – saving energy is saving carbon, and arbn insight delivers tangible steps on the journey to net-zero carbon by identifying wasteful behaviour and equipment, and providing the reporting tools to forecast spend and track progress.
- **Energy services** – the data is key to unlocking the next evolution of energy services, matching new products and services to optimised conditions and managed behaviour, from heat pump technology to EV charging infrastructure.

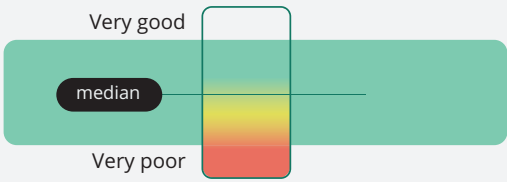
Medium Office

Annual Energy Consumption Score

**87**  
Energy Star Score

**Very Good**

This score shows how your building's annual energy consumption compares to peer buildings. A poor score (below median) indicates that your building uses more energy to operate than average peer building, whereas a good score (above median) indicates that your building uses less energy.  
**Site EUI:** 152 kWh/m<sup>2</sup>



A horizontal bar chart representing the Energy Star score scale. The bar is divided into three sections: 'Very poor' (red), 'median' (black), and 'Very good' (green). A vertical line indicates the building's score of 87, which is in the 'Very good' section.

## Energy Conservation Measures (ECM's)

Detailed recommendations presented in four categories:

1. **Building Upgrades** such as lighting replacement, heating system upgrade, or enhanced ventilation controls.
2. **Operating and Maintenance Recommendations** such as servicing air filters or boilers, changing timer settings, or calibrating photocells.
3. **Behavioural Recommendations** such as staff engagement programs, window preferences, or use of stand-by power bars.
4. **Building and Equipment Surveys** such as reviewing the control system, investigate lighting schedules or unoccupied consumption.

