

Energy Auditing Case Study

Mauritius Commerical Bank - Head Office

3.4GWh
Audited

0.7GWh
of projected savings

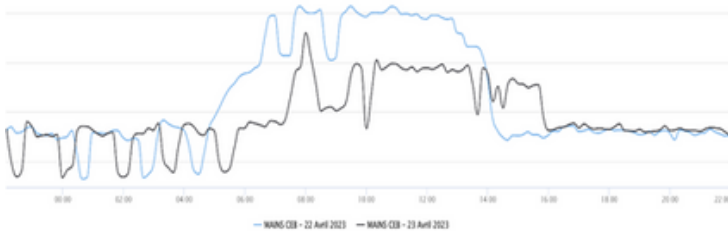
11
Energy Management Opportunities

6800
users per week

As part of the requirements of the Energy Efficiency Act 2011 and the Energy Efficiency Regulations 2017, the MCB appointed ETMS to perform the energy audit of its Head office, Port-Louis.

How was the audit performed

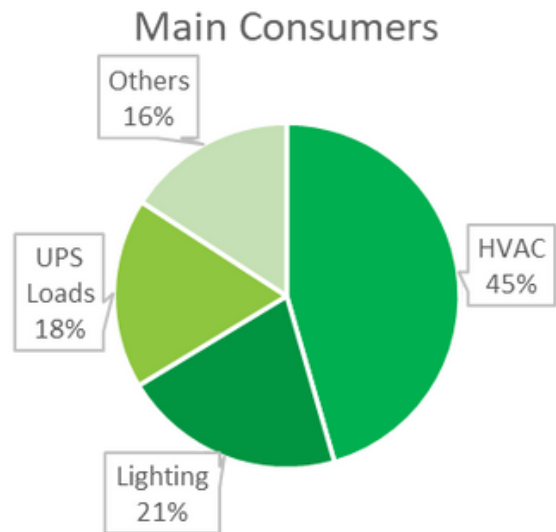
An energy monitoring system from EWatch was installed as part of a measurement plan



Using the data collected, the major consumers were identified and their behavior studied.

Main Findings

The major energy consumers were:



Energy Management Opportunities

Through an analysis, 11 energy management opportunities were found as follows:

- Replacement of old chillers (already on-going) which will result in an estimated 34.7% decrease in energy consumption
- Shift towards a single transformer increasing efficiency to 97.6%
- Resizing of UPS system
- Improved control schemes for lighting and ventilation

