

Energy Audit For Commercial Facility

CASE STUDY

ELECTRICITY CONSUMPTION

300 MWh/year which is equivalent to an average of 8,883 BHD/year.

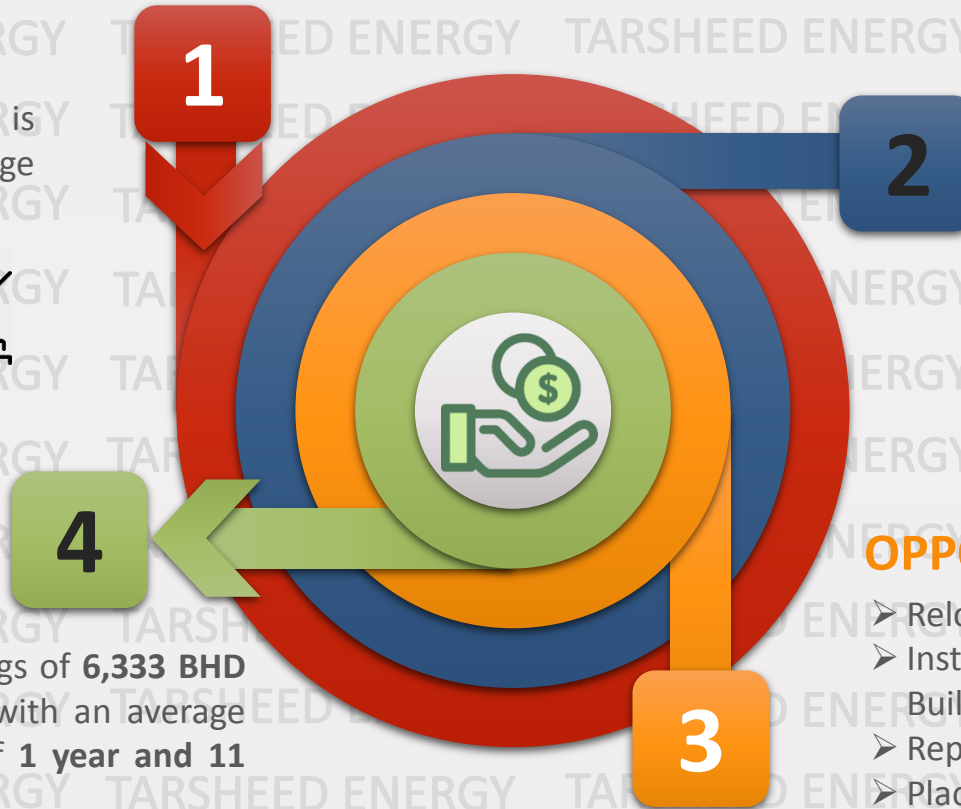
- HVAC 79%
- Lighting 11%
- Others 10%



RESULTS & COST ANALYSIS



Total annual savings of **6,333 BHD** and **194.2 MWh** with an average payback period of **1 year and 11 months**.



INEFFICIENCIES IN CONSUMPTION

- Outdated lights technology
- Fixed speed compressors
- Non-uniform distribution of conditioned air

OPPORTUNITIES

- Relocating AC controller
- Installing Variable Air Volume (VAV) & Building Management System (BMS)
- Replacing existing lights with LEDs
- Placing Air barrier
- Enhancing power factor

TARSHEED ENERGY

Consultation and Services