

Services provided at hotels imply a high demand for electricity and thermal energy. Energy costs make up a significant part of the overall cost structure. By reducing energy consumption and thus energy costs, hotels have a chance to increase their competitiveness. Also reducing energy consumption implies a reduction in CO₂ emissions and a general positive impact on our environment, which in turn can be integrated into the hotel's marketing strategy.



- ✓ Increase profits
- ✓ Enhance comfort for the guests
- ✓ Demonstrate organizations' environmental commitment by reducing emission

THE BENEFITS:

**REDUCE OPERATING COSTS,
INCREASE GUESTS' COMFORT
AND IMPROVE THE IMAGE**



BLOCK SDE1 Level 3,
Department of Building,
School of Design and Environment,
National University of Singapore,
4 Architecture Drive, Singapore 117566

Telephone: (65) 6516 4082
Facsimile: (65) 6773 3837

www.esu.com.sg/research2.html
www.esu.com.sg



BEING AN ENERGY SMART HOTEL...

- **STRENGTHEN YOUR BOTTOM LINE BY BEING ENERGY SMART**
- **DEMONSTRATE SUCCESS BY APPLYING FOR ENERGY SMART LABEL**
- **BE MORE COMPETITIVE BY USING ENERGY EFFICIENTLY**
- **MAKE STRATEGIES AND MEASURE THE RATE OF RETURN**
- **BE COMMITTED TO THE WELL BEING OF OCCUPANTS AND THE ENVIRONMENT**



BE ENERGY SMART

**Achieve New Hospitality Performance
With Improved Energy Efficiency**

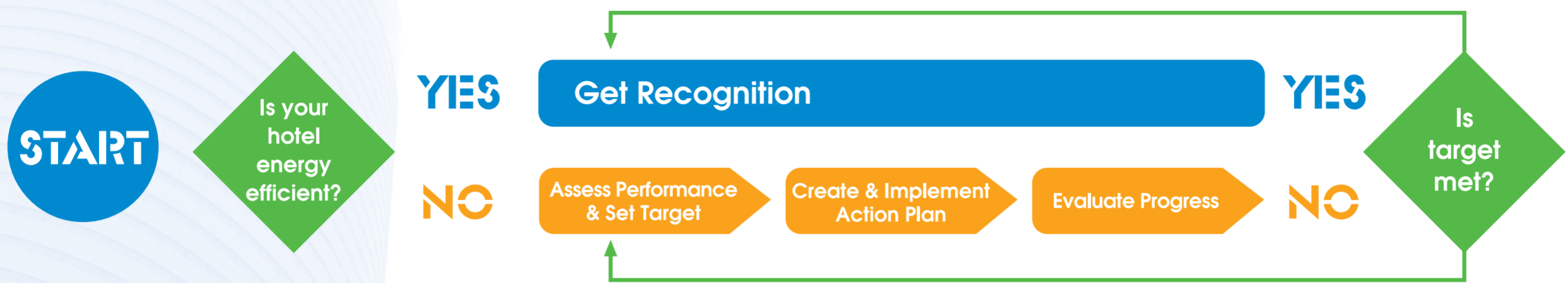




HOTEL

PROCESS INVOLVED

The Energy Smart Hotel is a labelling scheme designed for all hotel buildings. The aim of the scheme is to accord recognition to excellent buildings, and encourage future Energy Smart Hotels.



GET RECOGNITION

- Hotels that are among the nation's top 25% in terms of energy efficiency and that maintain a healthy and productive indoor environment can attain the Energy Smart Hotel status.
- Engage an accredited Energy Service Company (ESCO) to conduct an independent evaluation and to submit an evaluation report to the Energy Sustainability Unit.
- A designer plaque and a certificate will be awarded to the successful applicant. This serves to attest to the energy efficiency and healthy indoor environment quality achievements of the building.

ASSESS PERFORMANCE AND SET TARGET

- For those who do not qualify for the immediate award, the certificate specifies the current system's performance and identifies the potential energy saving that may be achieved.
- The building management may undergo detailed studies with an accredited ESCO to evaluate the building's energy performance profile and set realistic benchmark targets.
- Buildings that successfully achieve the label are encouraged to set new targets for enhanced performance and seek subsequent label award with improved performance.

EVALUATE PROGRESS

- The Energy Smart Hotel is a dynamic system where the label will be reassessed and awarded in a three year cycle to ensure continued performance and improvement.
- Energy performance of an applicant is easily tracked by comparison with established industry best practices through a benchmark database.

CREATE AND IMPLEMENT ACTION PLAN

- Establish an action plan for energy performance enhancements and retrofits.
- Baseline performance may be established for the measurement and verification of savings achieved.
- Create management protocol to ensure the sustained benefits of various energy efficiency actions implemented.