

# AIRCOSAVER GREEN TEST

**OBSERVATION, ANALYSIS and REPORT**

**EXCLUSIVELY**

**FOR**

**Travelers Beach Hotel, Bamburi**

**CONDUCTED**

**BY**



**EAWEL**  
THE GREENER OPTION

**EAST AFRICAN  
WIND ENERGY LTD**

Tel: +254 41 2226381/2221594

Fax: +254 41 2222057

Website: [www.eawel.com](http://www.eawel.com)

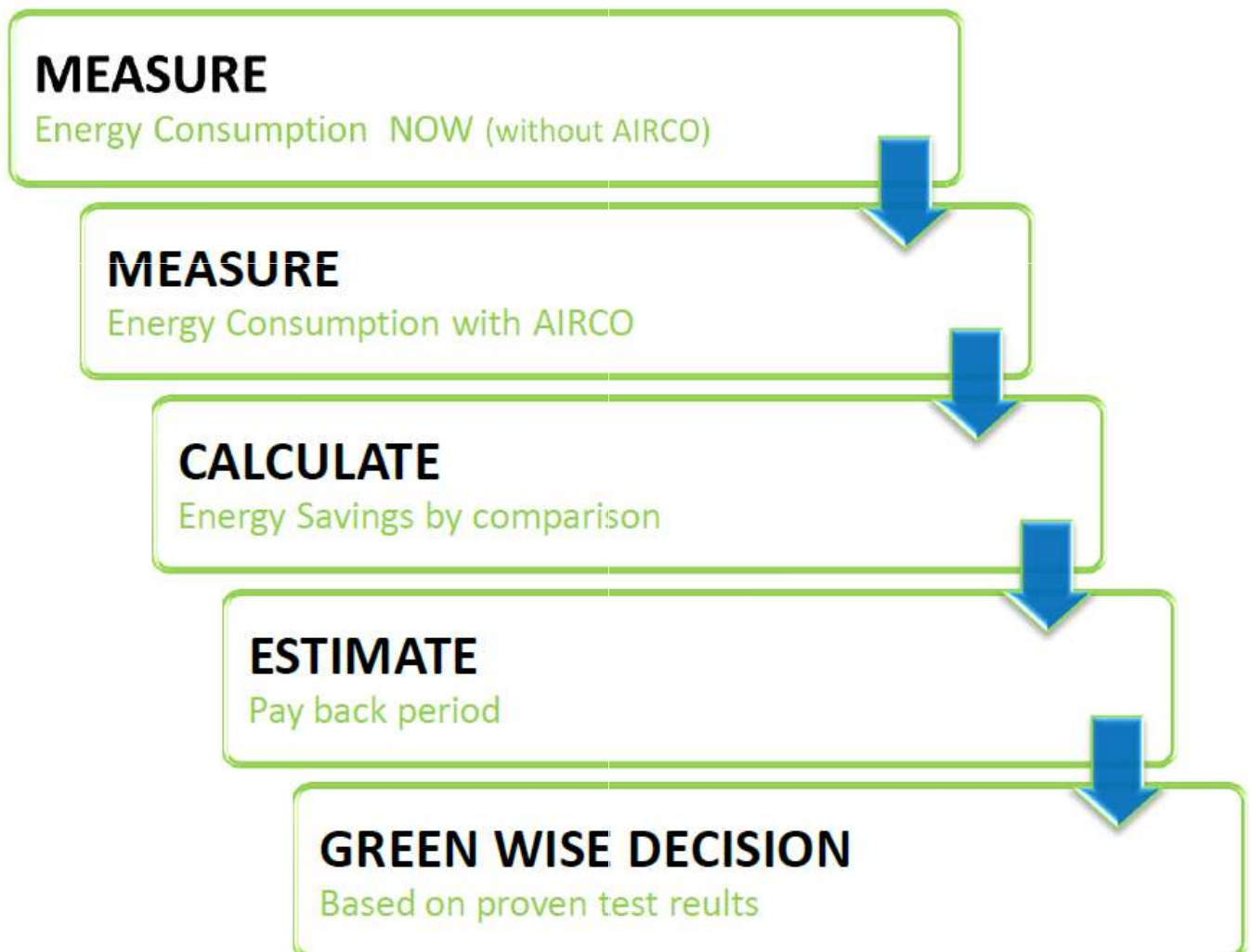
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## What is a **GREEN TEST**?

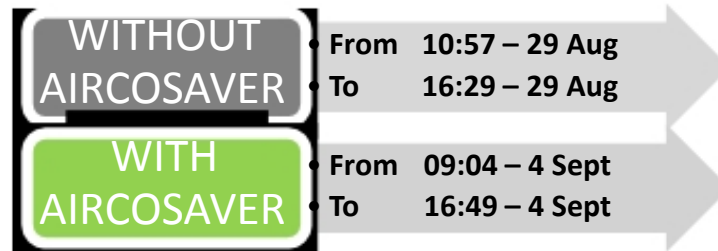
Green Test is a method adopted to **empirically demonstrate** the performance of **AIRCOSAVER** in your air-conditioning environment. The test proves that AIRCOSAVER works to save energy and provides you an indicative saving potential specifically to your environment.

The tests are conducted by trained professionals under the supervision of your authorized personnel. We have used gadgets and meters that are of quality brands.

## The **GREEN TEST** Process



## GREEN TEST OBSERVATION & COMPARITIVE STUDY (TEST 1)



### ANALYSIS ON ENERGY CONSUMPTION

TIME PERIOD	WITHOUT AIRCO (Kwh)	WITH AIRCO (Kwh)	SAVINGS (Kwh)
1 Hour	1.693	1.306	0.387
1 day (12 Hours)	20.316	15.672	4.644
1 Month (31 Days)	629.8	485.832	144
1 Year (365 Days)	7415	5721	1694

### ANALYSIS ON COST \* (Cost of electricity / unit assumed at KSh 15)

TIME PERIOD	WITHOUT AIRCO (KShs)	WITH AIRCO (KShs)	SAVINGS (KShs)
1 Hour	25	20	5
1 day (12 Hours)	305	235	70
1 Month (31 Days)	9447	7287	2159
1 Year (365 Days)	111230	85804	25426

## GREEN TEST SUMMARY

Parameter	Details
TEST Date	29/08/2010 and 04/09/2010
TEST Duration	8 Hours
Capacity of Air-conditioner	18000BTU
Type of Air-conditioner	Kelon HW Split
Measured Energy Savings	22.86%
Cost/Unit of AIRCO (Kshs)	13800* (Excluding VAT @ 16%)
Estimated Payback Period	6 Months 11 Days

## **DISCUSSION AND GREEN PROPOSAL**

The energy savings in your environment is an impressive **22.27%** in **Room 345, at Travelers Beach Hotel Bamburi. Results verified by your maintenance staff Mr. Kuria**

The performance of air-conditioners may vary depending on a variety of parameters like the model, ambient temperature, humidity levels, frequency of usage, age, room size, installation capacity, amount of open space etc.,

Whatever may be the environment AIRCOSEVER adapts itself intelligently and saves energy. The savings in your environment has been demonstrated by conducting the **GREEN TEST**.

The payback period for the **Room TEST** is **6 Months 11 Days**

## **AIRCOSAVER**

- ✓ Comes with replacement warranty of 2 Years
- ✓ Long life
- ✓ Maintenance free

## **YOUR contribution in SAVING EARTH**

Conservation of energy directly contributes to reduction in rate of increase of green house gases and there by dampens the Global Warming process. Organizations across the globe consider this as a social responsibility and contribute in **SAVING EARTH**.

We are sure you would consider the cause of both **SAVING COST** and **SAVING EARTH** and take the **GREEN wise** decision.

Awaiting your favorable response

**GO GREEN**

**Principal Consultant**

**Neil Dodhia**

## TECHNICAL SPECIFICATION OF TEST UNIT

### Operating Parameters

Input Voltage	230 V AC (+/- 10%)
Frequency	50 / 60 Hz
Sensor Measuring Range	Minimum -10 Degrees C, Max 55 Degrees C
Maximum allowable temperature at sensor	70 Degrees C

### Output (Relay)

Contact function	NO (Normally open)
Switch Voltage	24 V AC to 230 V AC
Maximum Switch Current	12 A continuously / 120 A temporarily (20 ms) at 250 V switching voltage
Anti-short cycle protection	3 minutes (1 minute upon power-up)

### Operating Conditions

Operating temperature	Minimum 0 Degrees C, Maximum 55 Degrees C
Relative humidity	Minimum 15%, Max 90%
No condensation	

### Storage and Transportation conditions

Storage temperature	Minimum -25 Degrees C, Max 85 Degrees C
Relative humidity	Minimum 10%, Maximum 95%

### Dimensions

length * height * width	173*32*42 mm without tension relief
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