

AIRCOSAVER GREEN TEST

OBSERVATION, ANALYSIS and REPORT

EXCLUSIVELY

FOR

Travelers Beach Hotel, Bamburi

CONDUCTED

BY



EAWEL
THE GREENER OPTION

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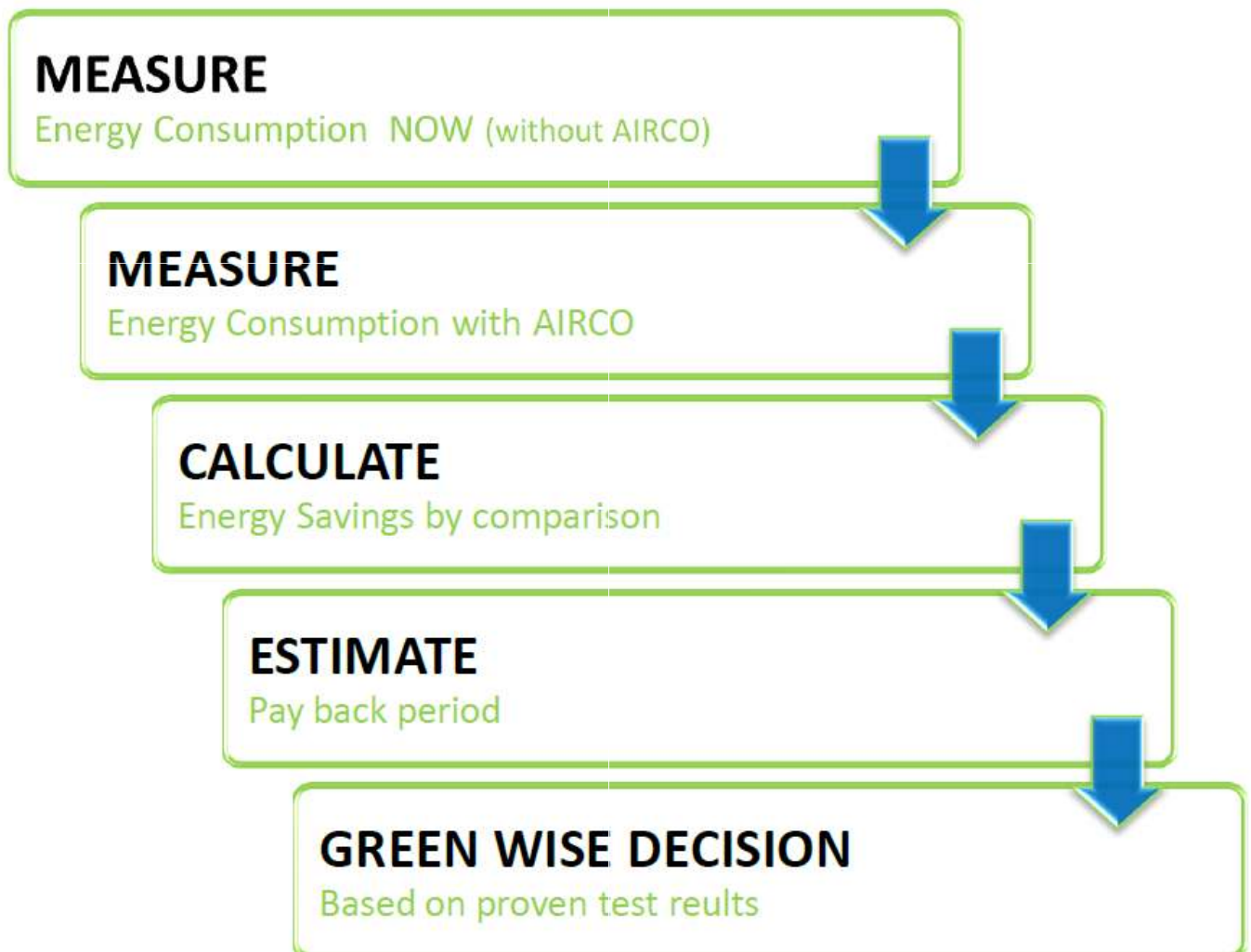
Website: www.eawel.com

What is a **GREEN TEST**?

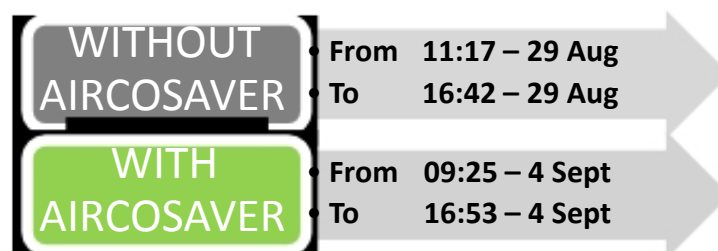
Green Test is a method adopted to **empirically demonstrate** the performance of **AIRCOSAVER** in your air-conditioning environment. The test proves that AIRCOSAVER works to save energy and provides you an indicative saving potential specifically to your environment.

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	1.221	0.949	0.272
1 day (12 Hours)	14.65	11.39	3.27
1 Month (31 Days)	454.2	353	101.2
1 Year (365 Days)	5348	4156	1192

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

TIME PERIOD	WITHOUT AIRCO (KShs)	WITH AIRCO (KShs)	SAVINGS (KShs)
1 Hour	18	14	4
1 day (12 Hours)	220	171	49
1 Month (31 Days)	6813	5295	1518
1 Year (365 Days)	80220	62349	17870

GREEN TEST SUMMARY

Parameter	Details
TEST Date	29/08/2010 and 04/09/2010
TEST Duration	8 Hours
Capacity of Air-conditioner	12000BTU
Type of Air-conditioner	General HW Split
Measured Energy Savings	22.28%
Cost/Unit of AIRCO (Kshs)	12000* (Excluding VAT @ 16%)
Estimated Payback Period	7 Months 27 Days

DISCUSSION AND GREEN PROPOSAL

The energy savings in your environment is an impressive **22.27%** in **Room 352, 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 **7 Months 27 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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