

# AIRCOSAVER GREEN TEST

**OBSERVATION, ANALYSIS and REPORT**

**EXCLUSIVELY**

**FOR**

**Southern Cross Safaris Ltd**

**CONDUCTED**

**BY**



**EAWEL**  
THE GREENER OPTION

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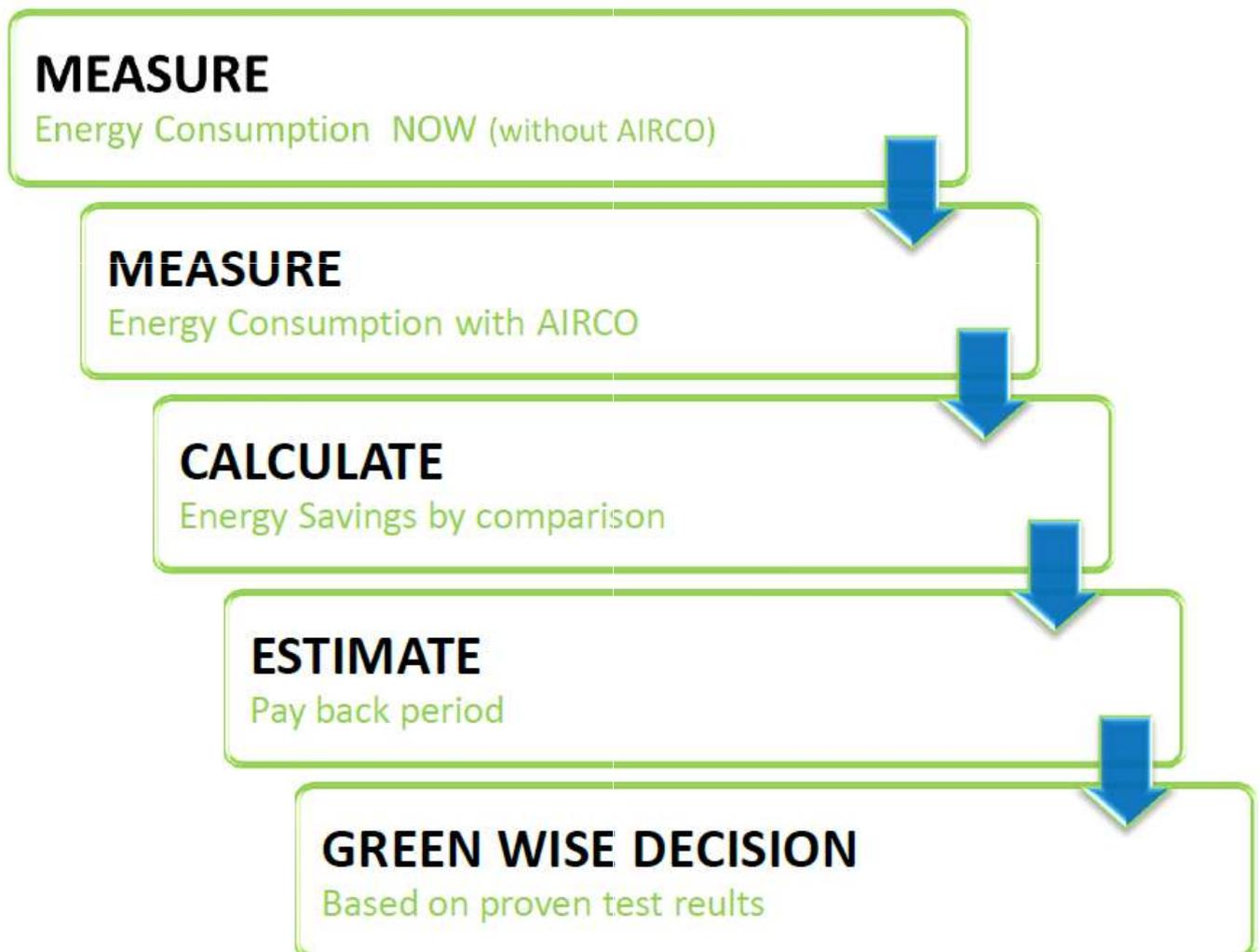
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## What is a **GREEN TEST**?

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	1.374	1.103	0.271
1 day (12 Hours)	16.48	13.24	3.26
1 Month (31 Days)	511	410	100
1 Year (365 Days)	6018	4831	1187

### ANALYSIS ON COST \* (Cost of electricity / unit assumed at KSh 16)

TIME PERIOD	WITHOUT AIRCO (KShs)	WITH AIRCO (KShs)	SAVINGS (KShs)
1 Hour	22	18	4
1 day (12 Hours)	264	212	52
1 Month (31 Days)	8178	6565	1613
1 Year (365 Days)	96290	77298	18992

## GREEN TEST SUMMARY

Parameter	Details
TEST Date	25/08/2010
TEST Duration	24 Hours
Capacity of Air-conditioner	12000BTU
Type of Air-conditioner	Sanyo HW Split
Measured Energy Savings	19.72%
Cost/Unit of AIRCO (Kshs)	12000* (Excluding VAT @ 16%)
Estimated Payback Period	7 Months 12 Days

## **DISCUSSION AND GREEN PROPOSAL**

The energy savings on the second test conducted is an impressive **19.72%** in **Server Room at Head Office**

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 **Server Room TEST 2** is **7 Months 12 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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