



CASE STUDY: COMMERCIAL BUILDING

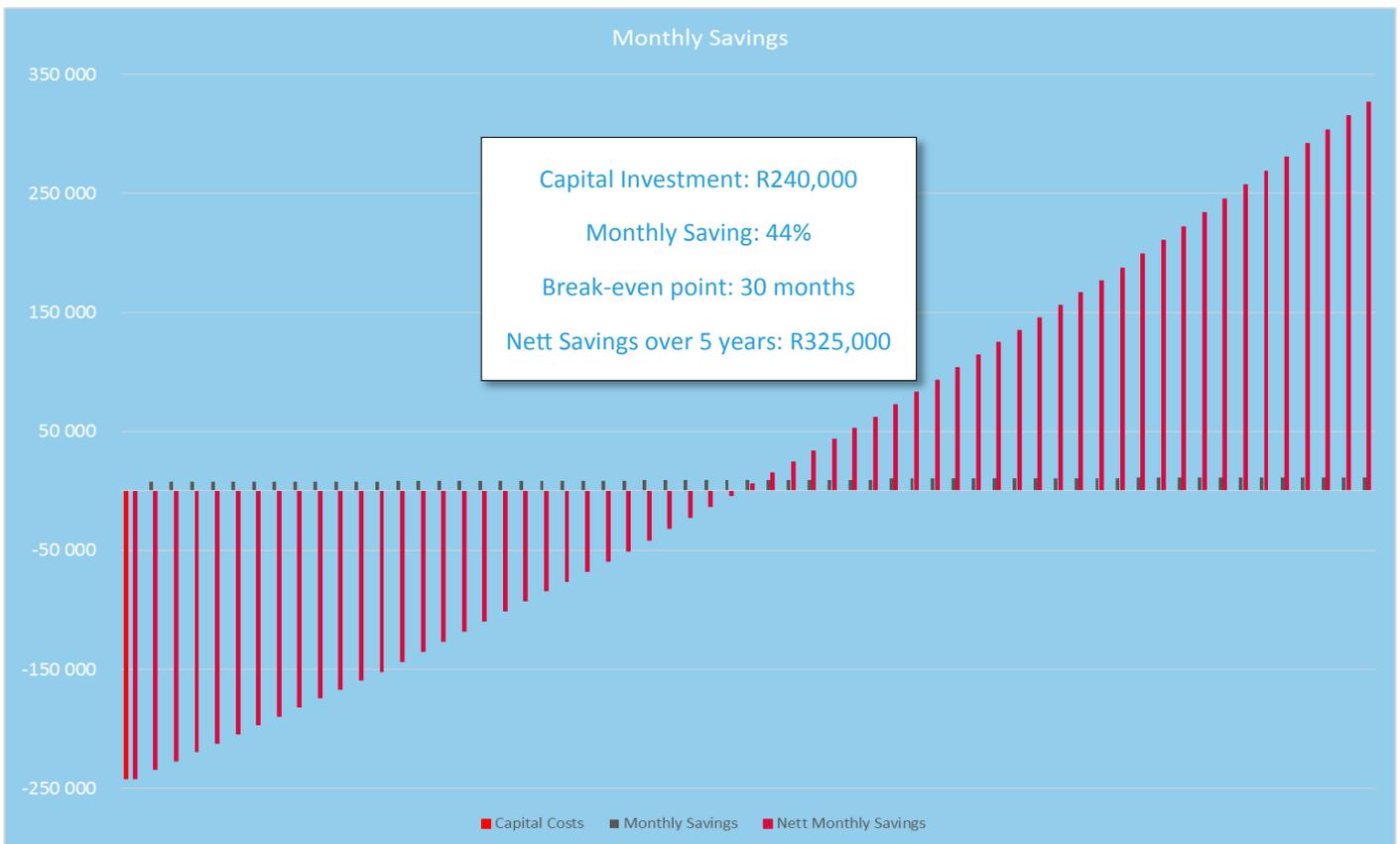
PRIOR SITUATION

- Client used 120 litres of drinking water per day
- Twenty litre bottles were ordered monthly, at R2.00 per litre
- Twenty-four chilling dispensers were distributed around the building, rented at a cost of R120.00 per dispenser per month
- Over a five year period, total cost of water amounted to R3.40 per litre
- Other issues:
 - Logistics: Stock counts had to be done regularly to determine when to re-order water
 - Logistics: Receiving, storing, and distributing of twenty litre bottles was cumbersome, time consuming and hazardous
 - Health: Concerns of plastic containers leaching chemicals with oestrogen-like properties
 - Sustainability: Client was concerned about the large carbon footprint associated with the transport of the water, and plastic containers being used
 - Financial: Client was concerned that the price escalation would outstrip the supplier's promise, due to fuel cost increases and toll-road expectations

CIRRUS SOLUTION

- Client continued to use 120 litres of drinking water per day
- A CWM100 unit was installed on the roof, with reticulation supplying twenty-four new chilling dispensers
- The Total Cost of Ownership over a five year period was calculated to be R1.91 per litre, a 44% saving!
- Resolved issues:
 - Logistics: No more stock counts and water re-ordering are required
 - Logistics: The water is piped direct to the dispensers, negating the need for bottle logistics
 - Health: Food grade piping and dispensers eliminate the concerns of leaching plastic bottles
 - Sustainability: The carbon footprint is diminished, due to Cirrus water being made on site
 - Financial: Fuel costs and toll-roads do not affect Cirrus water, as the water is made on site

ROI and Break-Even Point



BENEFITS

COST EFFECTIVE

- Cheaper cost per litre than bottled water
- Elimination of bottled water logistical costs
- Eliminate of waste management costs associated with plastic bottles
- No transportation costs

SECURITY OF SUPPLY

- Not affected by water shortages, off the grid solution
- Access to high quality drinking water 24/7
- Dedicated call centre with remote monitoring and pro-active management of any technical problems

HIGH QUALITY

- No risk of waterborne diseases
- No chemicals or toxins
- Advanced filtration processes

LOW CARBON FOOTPRINT

- No more bottled water and associated carbon footprint
- Increased water efficiency within the building
 - low flow solutions
 - grey water recycling
 - rain water harvesting solutions

CIRRUS WATER MANAGEMENT

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CIRRUS
WATER MANAGEMENT