



## CASE STUDY: REMOTE ISLAND LODGE

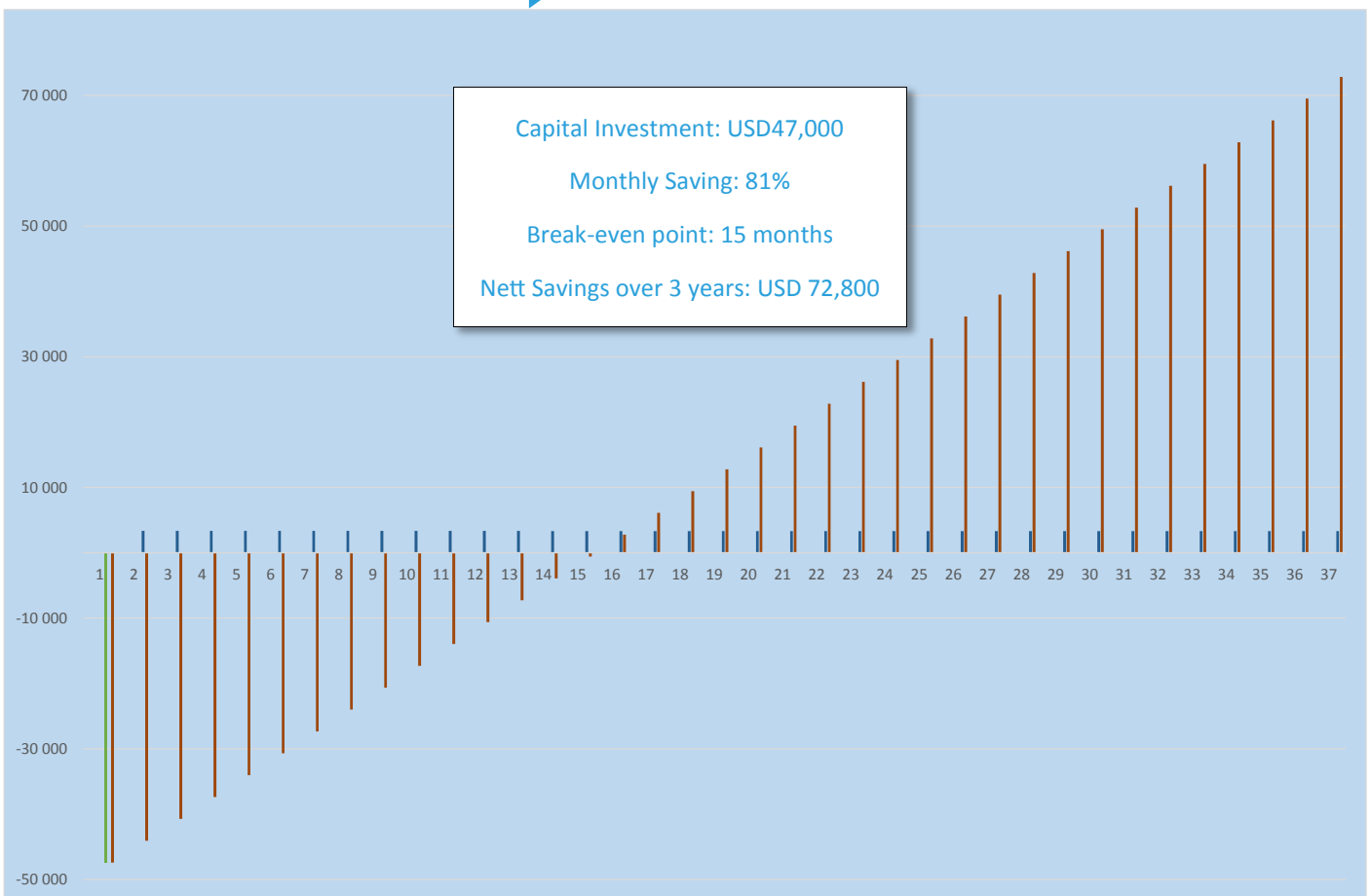
### PRIOR SITUATION

- Client used 150 litres of drinking water per day
- 500ml & 1.5l plastic bottled water was ordered monthly, at USD1.00 per litre, excluding transport
- Other issues:
  - Logistics: Stock counts had to be done regularly to determine when to re-order water
  - Logistics: Receiving, storing, and distributing of bottles was cumbersome, time consuming and hazardous
  - Logistics: Transporting water from the mainland via dhow was extremely expensive
  - Health: Concerns of plastic containers containing BPA's
  - Health: Due to the high cost of bottled water, staff used brackish local water of questionable quality
  - Sustainability: Client was concerned about the large carbon footprint associated with the transport of the water, the plastic containers being used, and the disposal thereof
  - Financial: Client was concerned that the price escalation would outstrip the supplier's promise, due to fuel cost increases

### CIRRUS SOLUTION

- Client increased daily usage to 250 litres
- A CWM300 unit was installed, with reusable glass bottles being filled on site
- The Total Cost of Ownership over a three year period was calculated to be USD 0.19 per litre, an astonishing 81% saving!
- Resolved issues:
  - Logistics: No more stock counts and water re-ordering are required
  - Logistics: No more cumbersome transporting of bottled water to the island via dhow
  - Health: Refillable branded glass bottles ensure no contaminants enter the water
  - Health: Staff are more healthy now that they drink Cirrus water
  - Sustainability: The carbon footprint is diminished, due to Cirrus water being made on site
  - Financial: Fuel costs 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 proactive management of any technical problems

### HIGH QUALITY

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

### LOW CARBON FOOTPRINT

- Plastic bottle manufacture eliminated
- Transport of bottled water eliminated
- Disposal of empty plastic bottles eliminated

#### CIRRUS WATER MANAGEMENT

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**CIRRUS**  
WATER MANAGEMENT