

ENERGY SAVINGS: THE HIDDEN GEM INSIDE EVERY BUSINESS

How a retail franchise reduced the energy consumption in its warehouse by 35%.

Same Warehouse, One Major Change.

Before

'Brick & Mortar' business with:

- Rising energy costs.
- Pressure on profit margins.
- Potential to reduce operational costs.

After

35% ↓

Total Energy Consumption



Data = Knowledge.



An Energy Monitoring System (EMS) Was Used To Understand:

- **Consumption Patterns:** What are the key energy consumers (on/off peak)?
- **Supply & Demand:** How would solar help & how could it be utilised effectively?
- **Cost Savings:** How can technology, smart switching, LED lights be correctly utilised to realise energy efficiencies?
- **Carbon Emissions:** How can I become carbon neutral certified?

Knowledge = Power.



What Changed?

- Significantly reduced energy consumption (kWh)
- Lighting changes reduced consumption
 - LEDs reduce demand swing during peak hours
- Forklift charging at off peak rates significantly reduced demand (kVA) in peak hours.
 - EMS charging control shifts demand to Off Peak.
- EMS monitoring and control allows for ongoing cost reduction over time.

The Secret Sauce:



SimpleSense Energy Analytics

Taking business owners deeper into their operational costs to uncover energy wastage and drive cost savings.



SimpleSense

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