

# HOME INTELLIGENCE SYSTEM

Have you ever worried about forgetting to switch off a water heater or an air conditioner after you left home for a long trip? Well, you won't have to worry anymore with Home Intelligence System (HIS)! HIS is a network of smart switches controllable from your mobile. It can retrieve the power consumption of each individual socket and improve safety standards by cutting off power to any socket if overheating or overloading occurs.

[affordable home networking]

## How Can I Benefit?

- 1 Spend less on electrical bills, and improve fire safety!
- 2 Greater convenience when:
  - switching on lights in the dark,
  - switching on aircon before arriving home on a hot day... and more!
- 3 Find out which appliance sucks the most electricity, and replace them!

## How Does It Work?

- 1 HIS mobile application will command our HIS Concentrator.
- 2 HIS Concentrator transmits Power Line Communication (PLC) signals to HIS Remote Terminal Units (RTU).
- 3 HIS RTU will switch on/off the electrical socket it is attached to.

[standby energy]



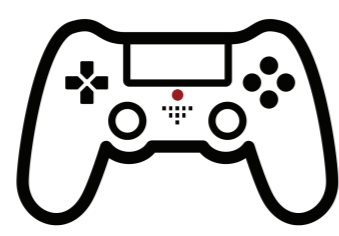
### Vampire Energy

Many household electrical appliances consume energy when turned off but while still plugged in.

### Top 3 Vampires



**Plasma TV**  
1,400kWh/year  
SG\$392/year\*



**Game Consoles**  
230kWh/year  
SG\$64/year\*



**Laptop**  
140kWh/year  
SG\$39/year\*

\*Based on \$0.28/kWh in Singapore. (app.e2singapore.gov.sg, dosomething.org)

[unattended appliances]



**90%** Americans forget to switch lights off when they leave a room  
(eightymphmom.com)



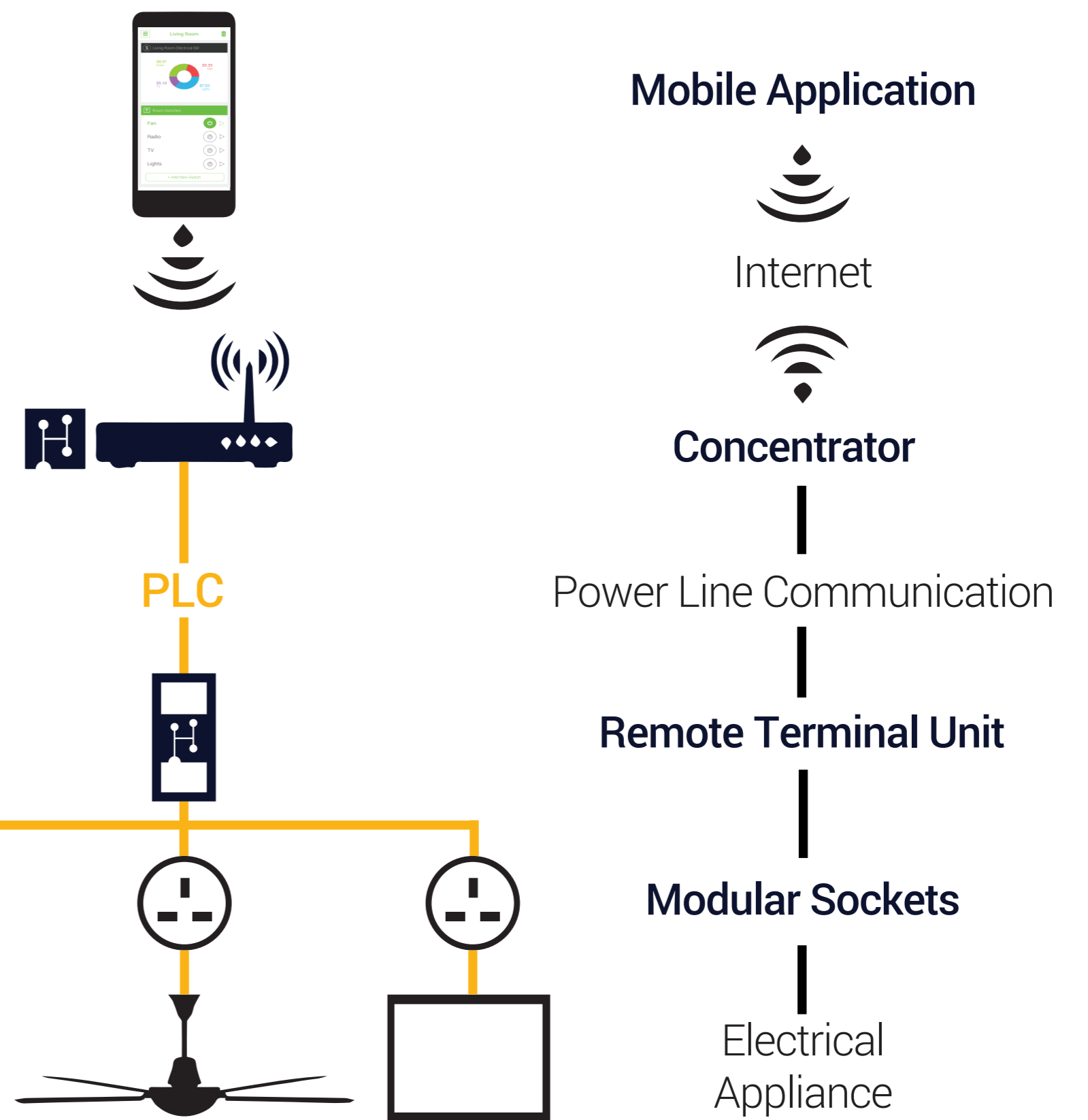
**SG\$500**

Cost of leaving an air-con on for 8 hours every day.  
(app.e2singapore.gov.sg)



**25,900 of 360,000**

Electrical fires in USA a year. Singapore suffered an equal ratio of 219 of 2888.  
(www.scdff.gov.sg, www.usfa.fema.gov)



**X - Factor**

**Affordability**

Estimated cost required to outfit a 3-room HDB flat is SG\$520 - 5 times lesser than existing equivalent products.

Estimated turnover period is 3.5 years - perfectly affordable for all income groups.

PROBLEMS

SOLUTION

