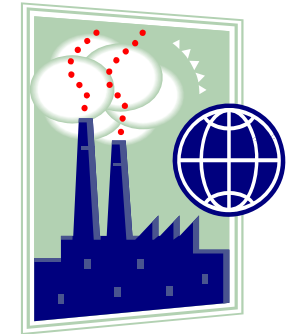
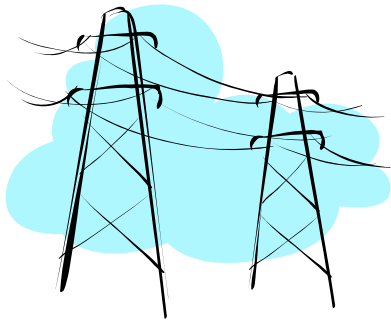


S.A Case Study

Dhevan Pillay



Observations during the Cape crisis

- **POWER ALERT** was a realtime immediate response mechanism
- **CALL TO ACTION** mentality brought the nation behind the problem
- **National Conversation** – Immediate response
- Response was approx 20% = 150 MW peak demand saving in Cape
- **Significant savings** if we could increase this nationally

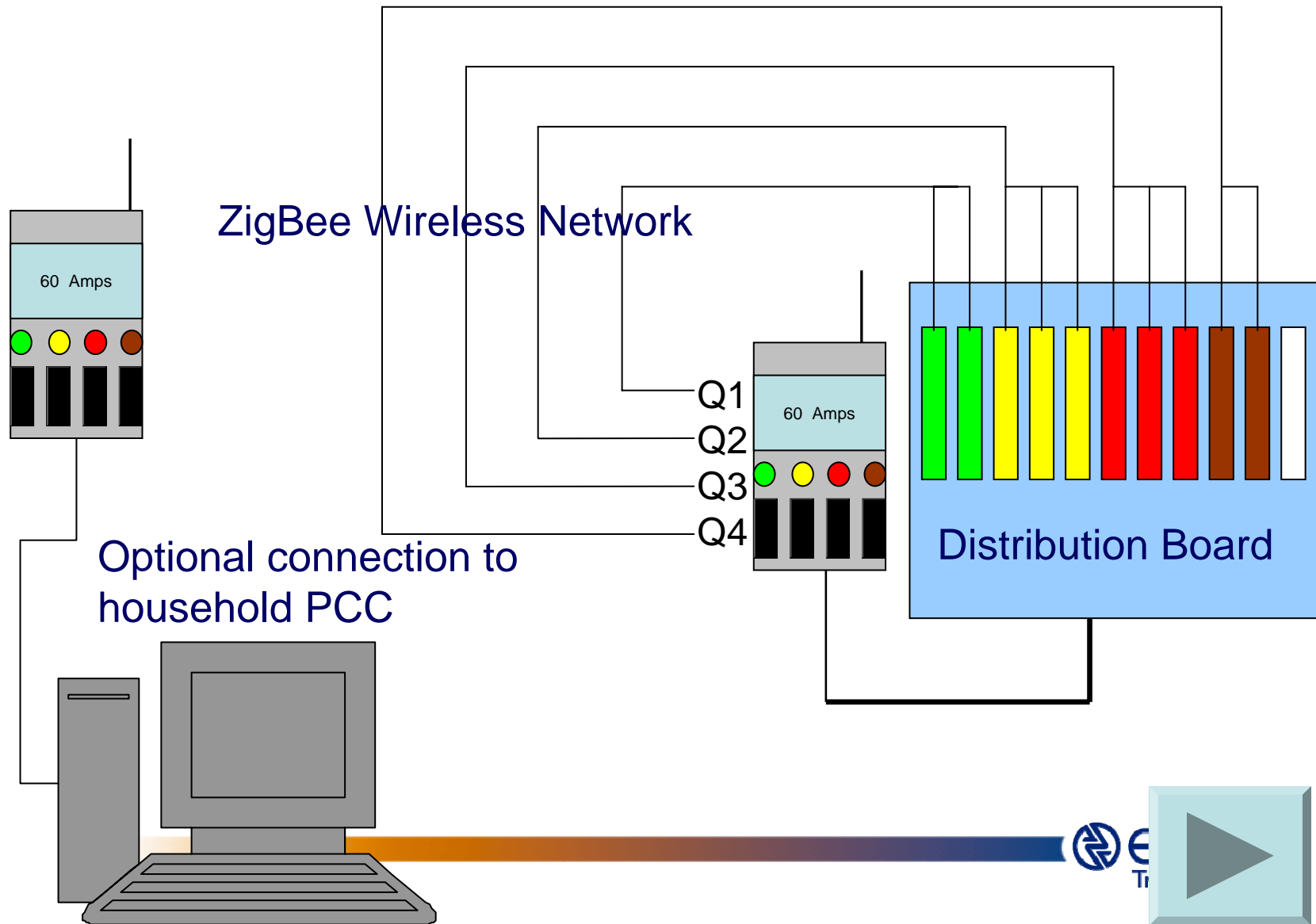




A Smarter Solution

- Load shedding
- Energy crisis
- Home automation:
 - Monitoring
 - Control
 - Remotely and selectively reduce customer consumption
 - Remotely manage energy demand during peak periods

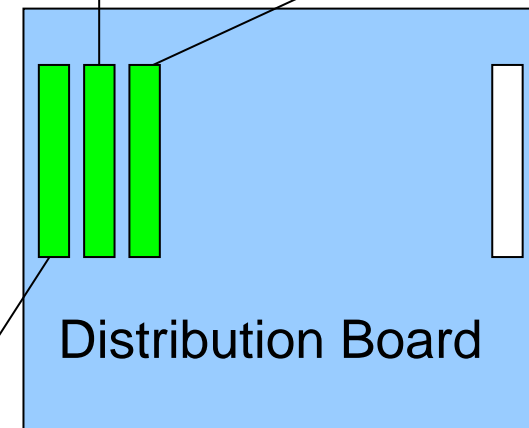
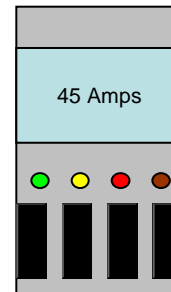
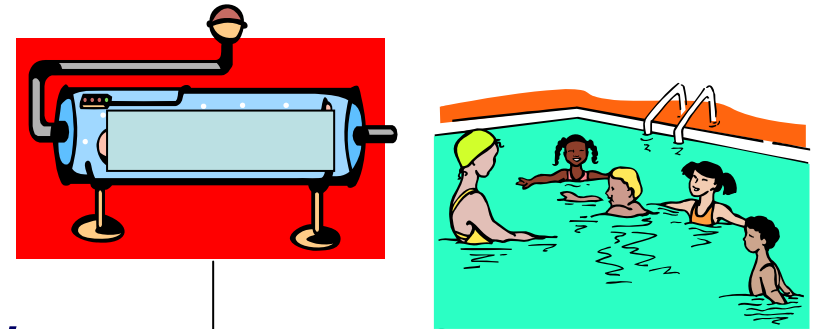
Remote Control of Existing Module via PC



Green Zone

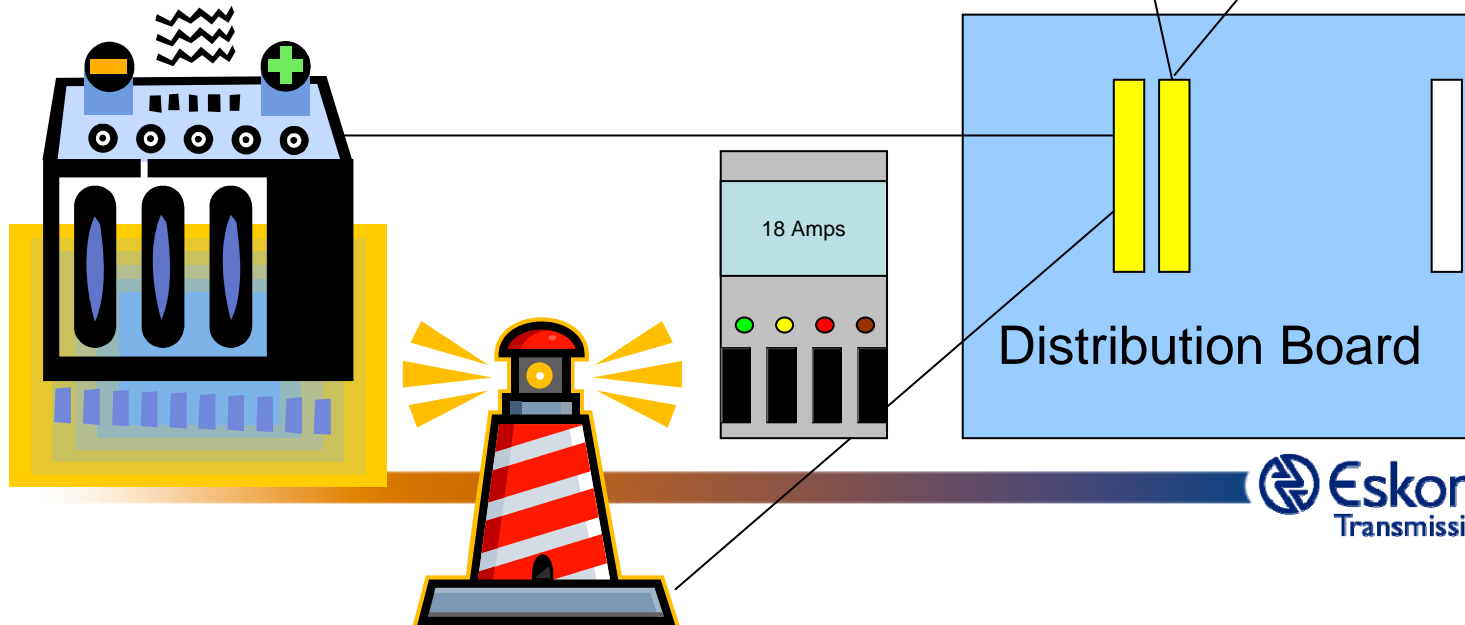
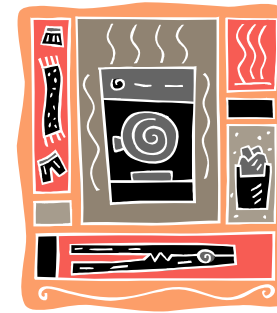
Residential Sector

- Geyser: 3000W
- Swimming Pool: 1000W
- Jacuzzi: 3000W – 7000W



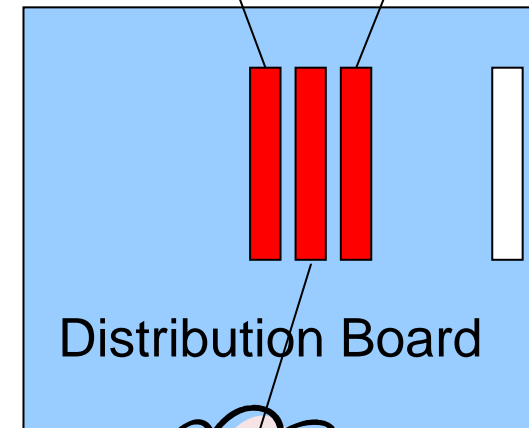
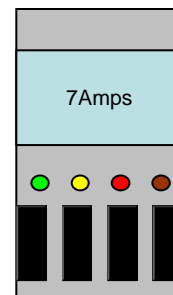
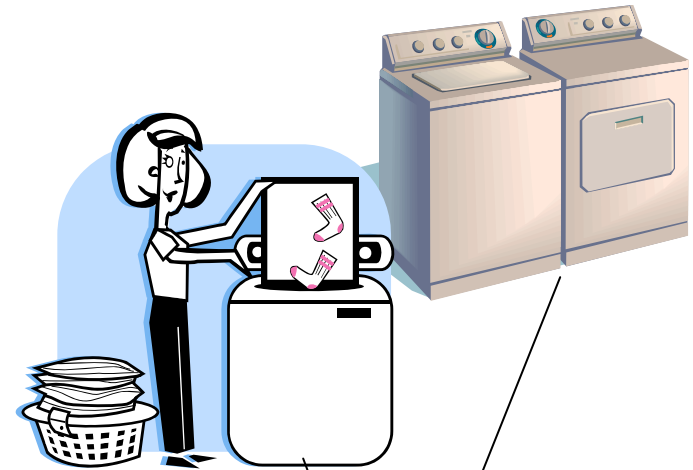
Yellow Zone

- Stove: 6500W
- Underfloor Heating: 500W – 5000W
- Outdoor lights: 500W – 5000W
- UPS: 500W – 2500W



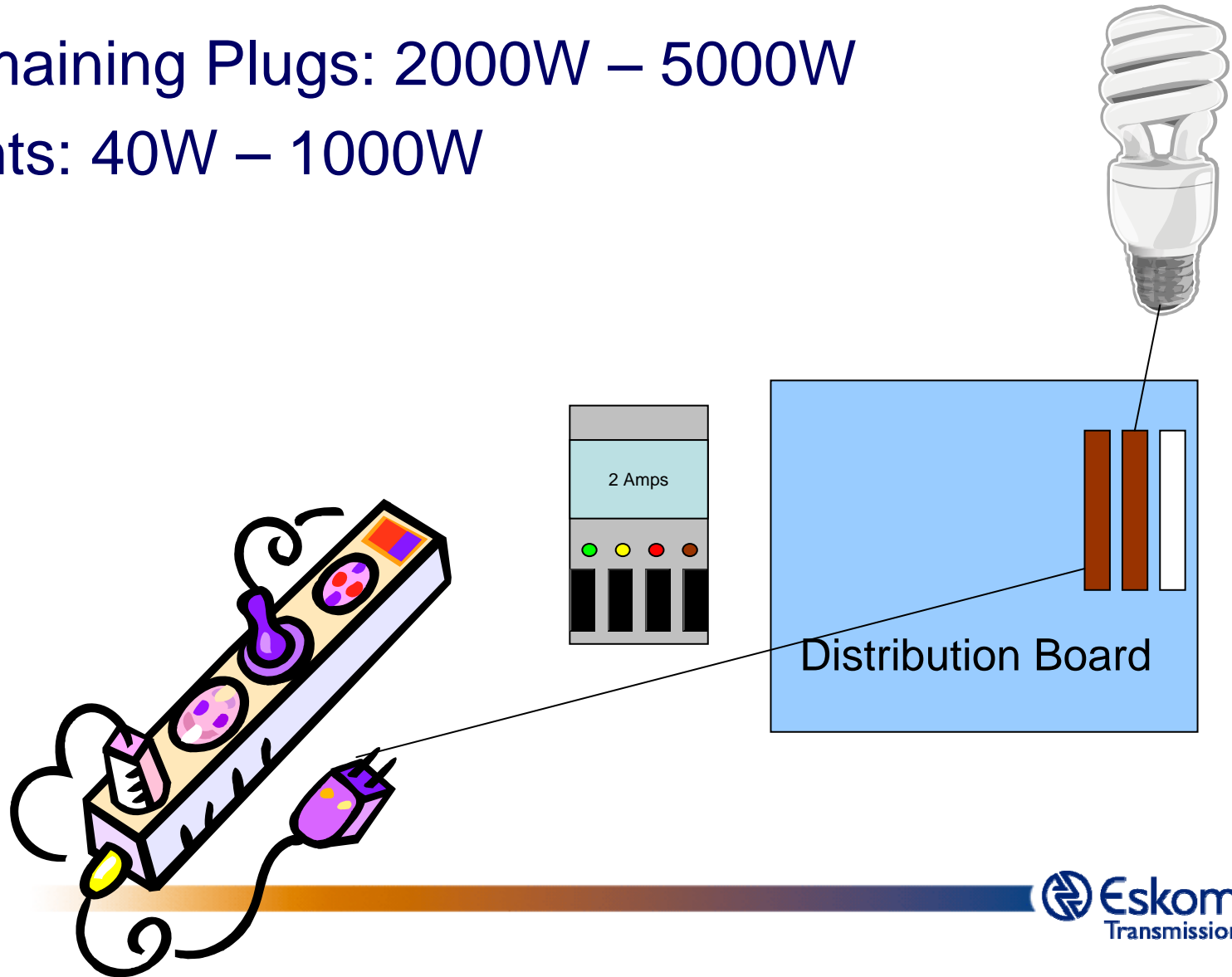
Red Zone

- Tumble Dryer: 3000W
- Washing Machine: 1000W
- Dish Washer: 1000W
- Kettle: 2000W
- Urns: 3000W



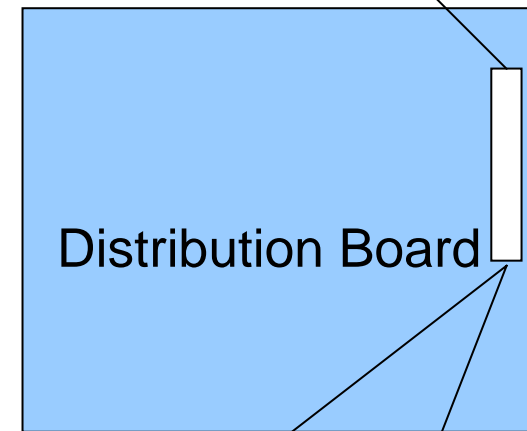
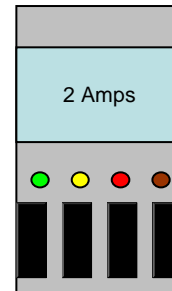
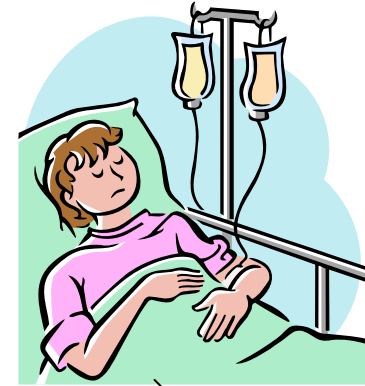
Brown Zone

- Remaining Plugs: 2000W – 5000W
- Lights: 40W – 1000W

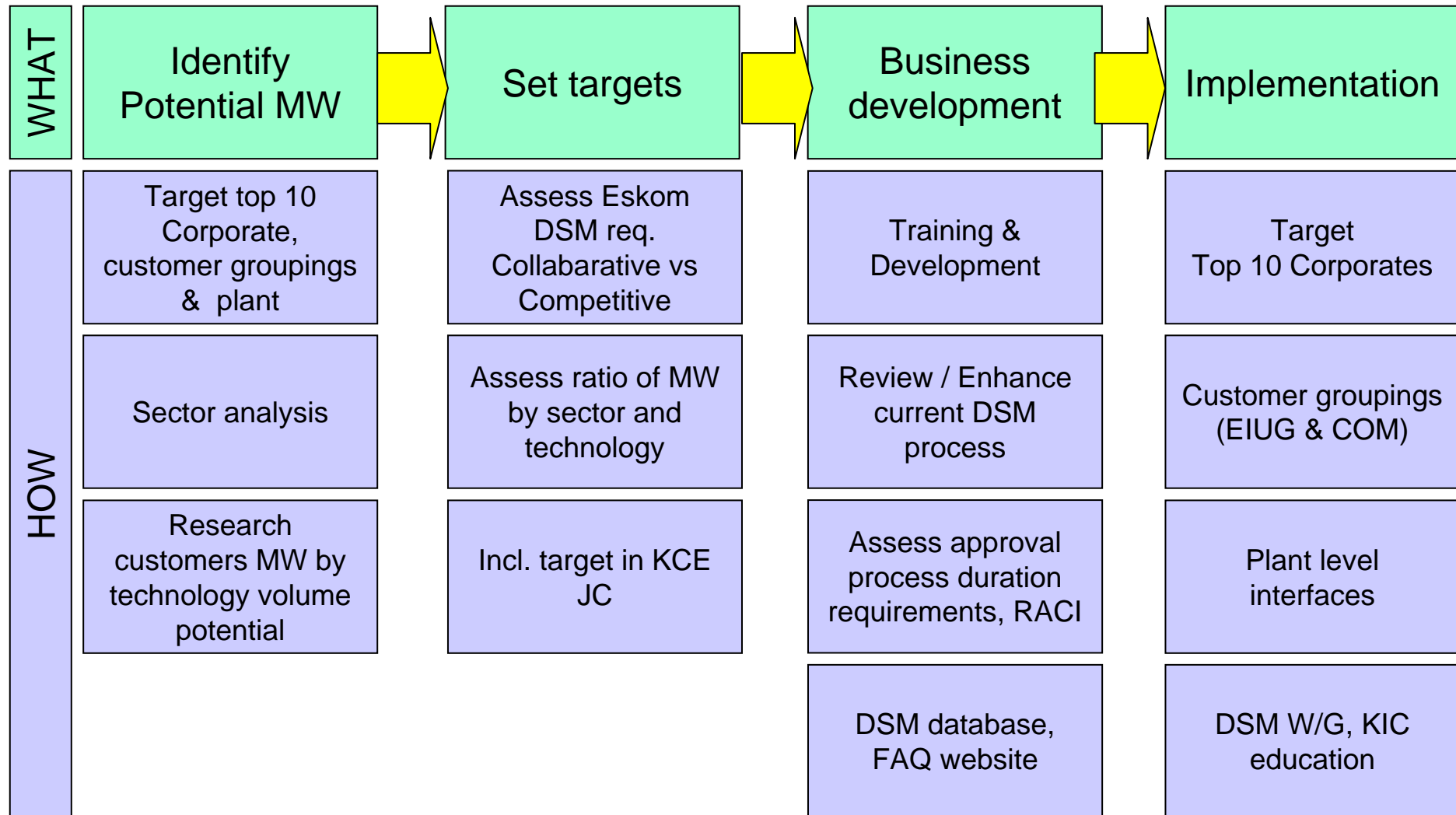


Emergency Zone

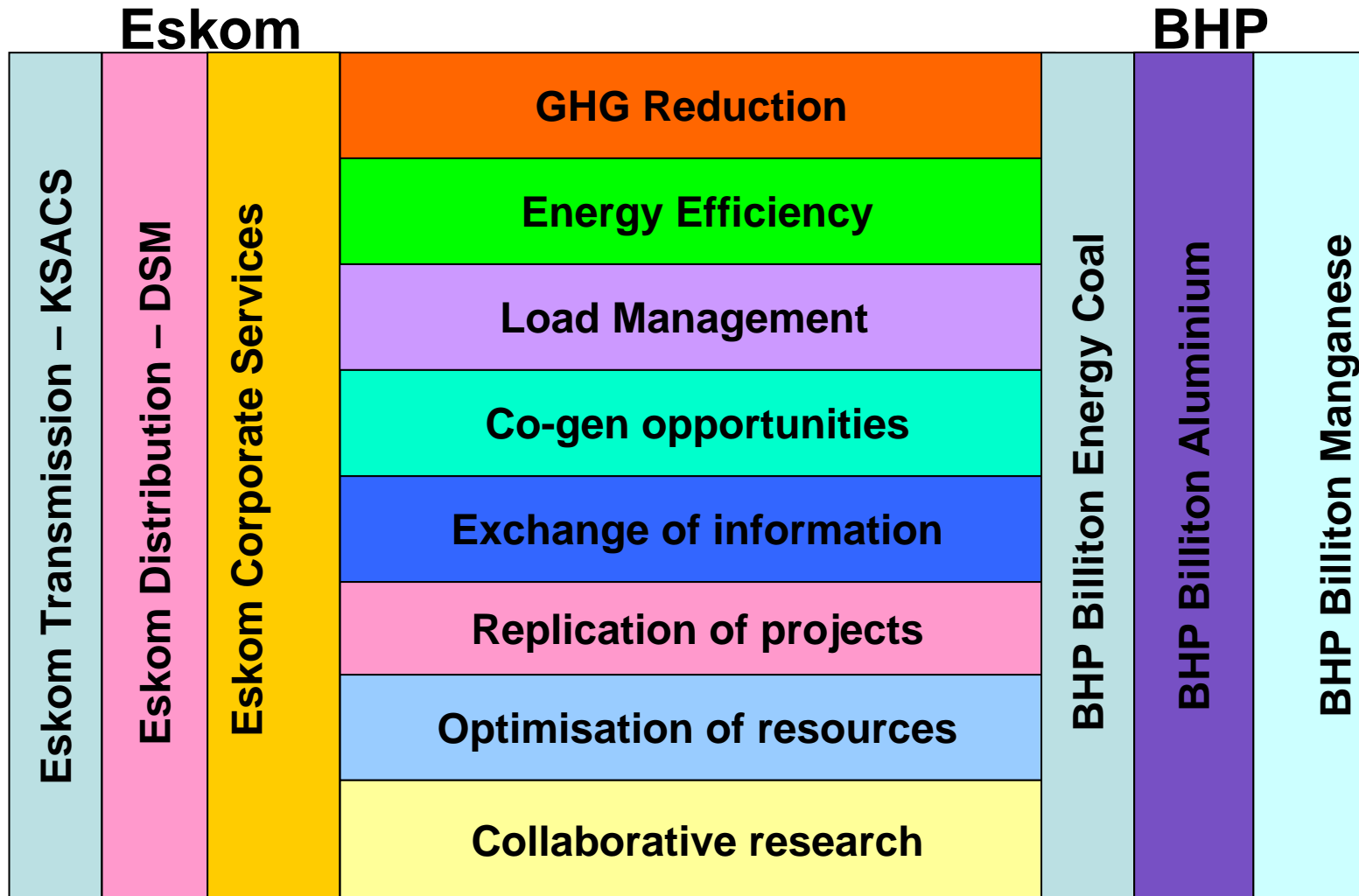
- Garage and Gate Openers
- Alarm Systems
- Medical Support



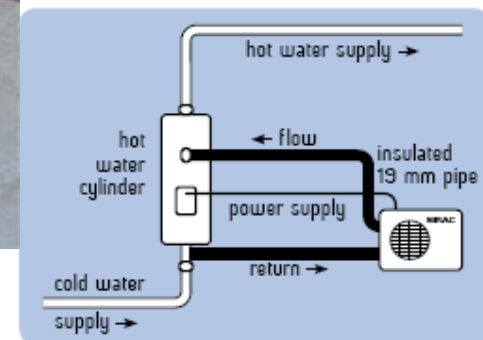
KIC Sector Strategy



Strategic partnership



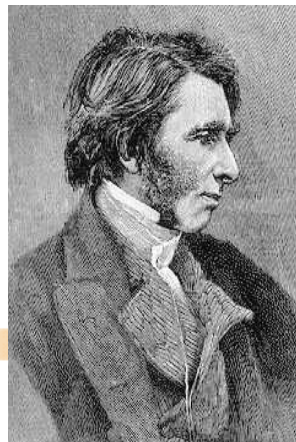
Heat Pumps



Words on the way

***“It is unwise to pay too much,
but it is worse to pay too little.***

***The bitterness of low quality
remains long after the sweetness
of low price is forgotten***



*John Ruskin
Scientist and Philosopher
1819-1900*



THANK
YOU

