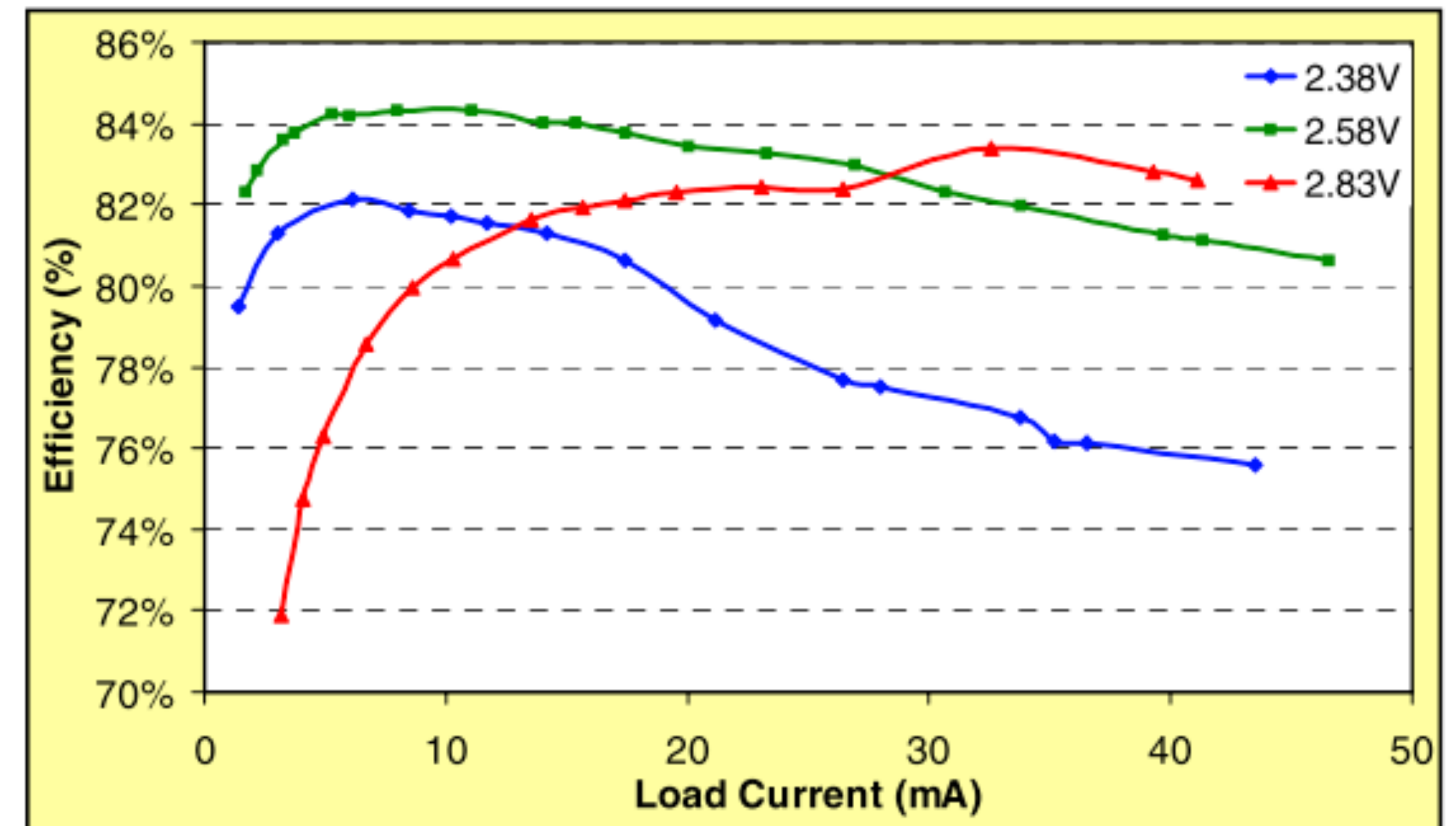
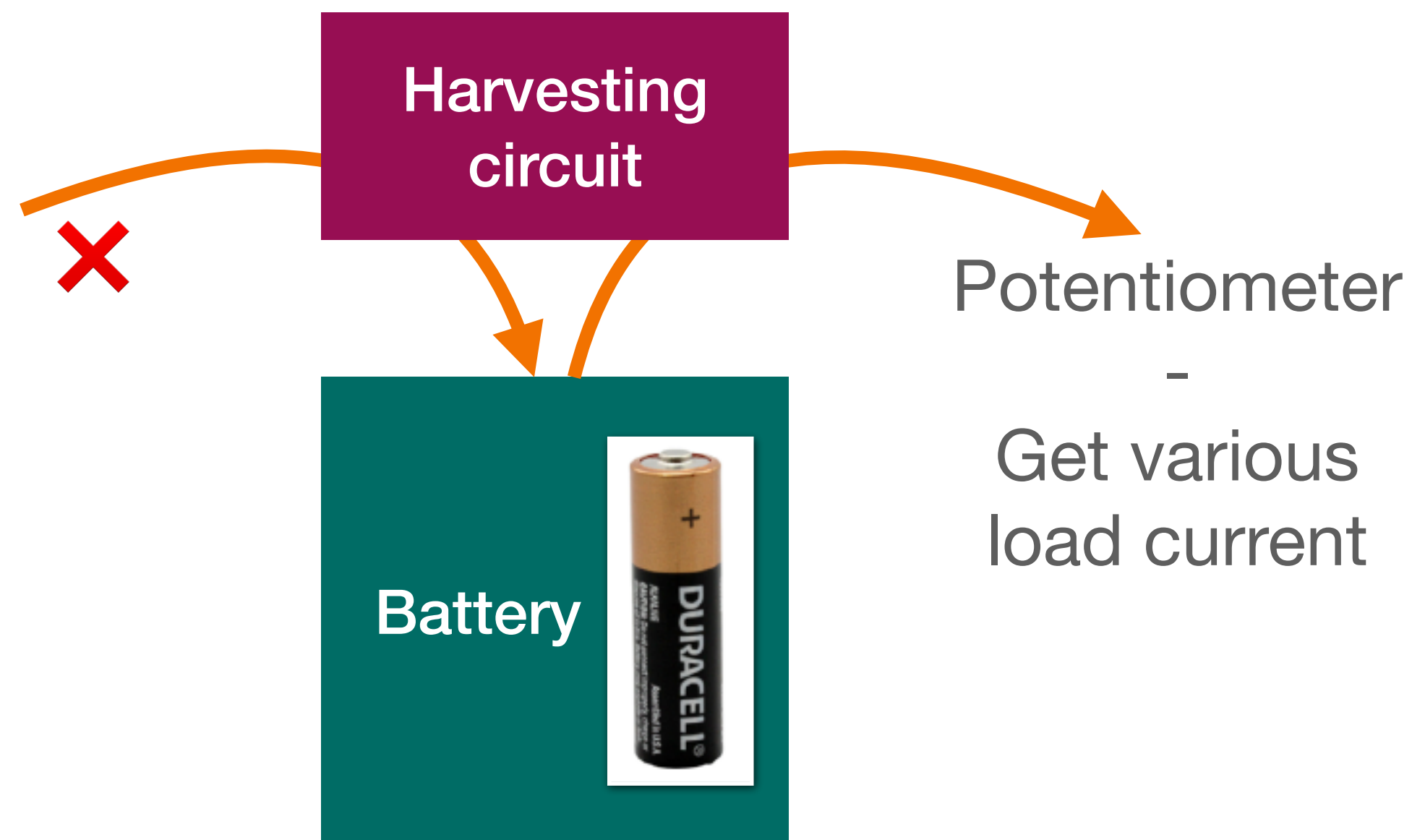


# HelioMote - a pioneer demo

## Performance evaluation

- Harvesting circuit efficiency



DC-DC converter by itself is over 90%  
Yet other parts consume extra power

# HelioMote - a pioneer demo

## Performance evaluation

- Energy harvesting capability
- Put the Mica2 mote along with Helomote outdoors
- at a 20% duty cycle (pretty busy)
- Battery charging curve:
  - Periodic sunshine intensity pattern
  - The drop in the peak stands for
  - overcharge protection

