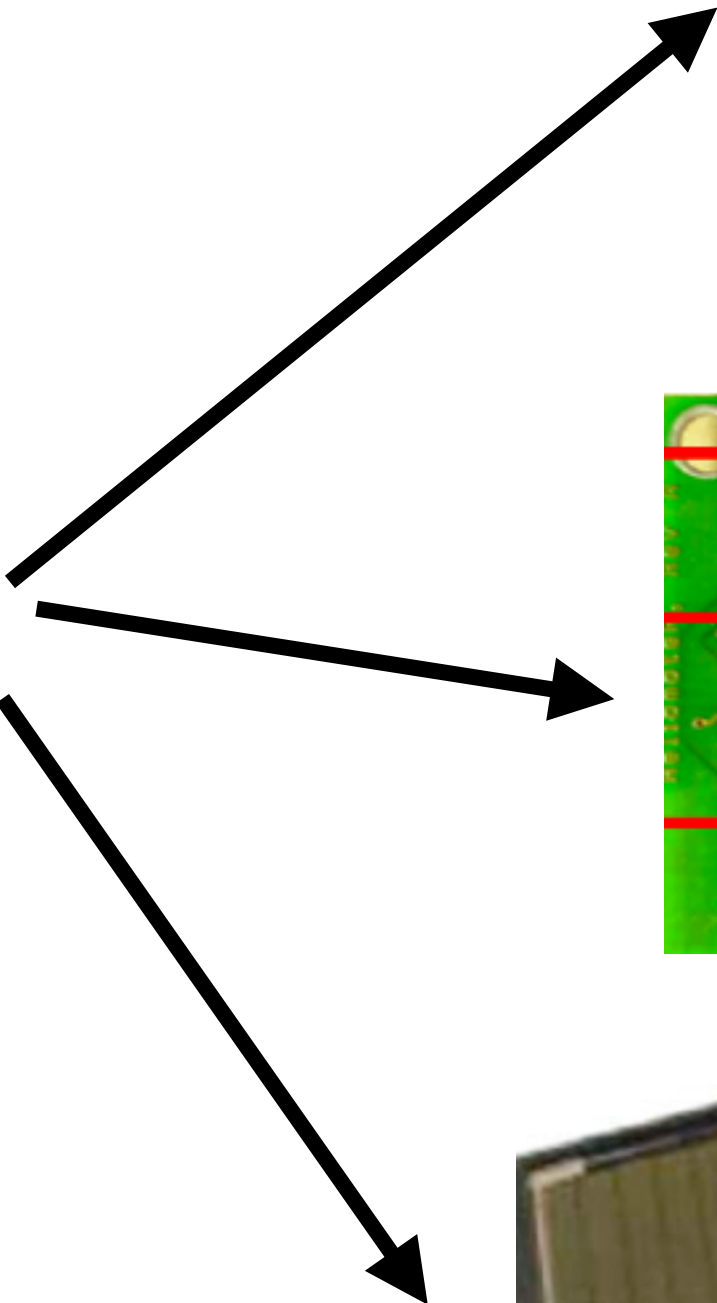
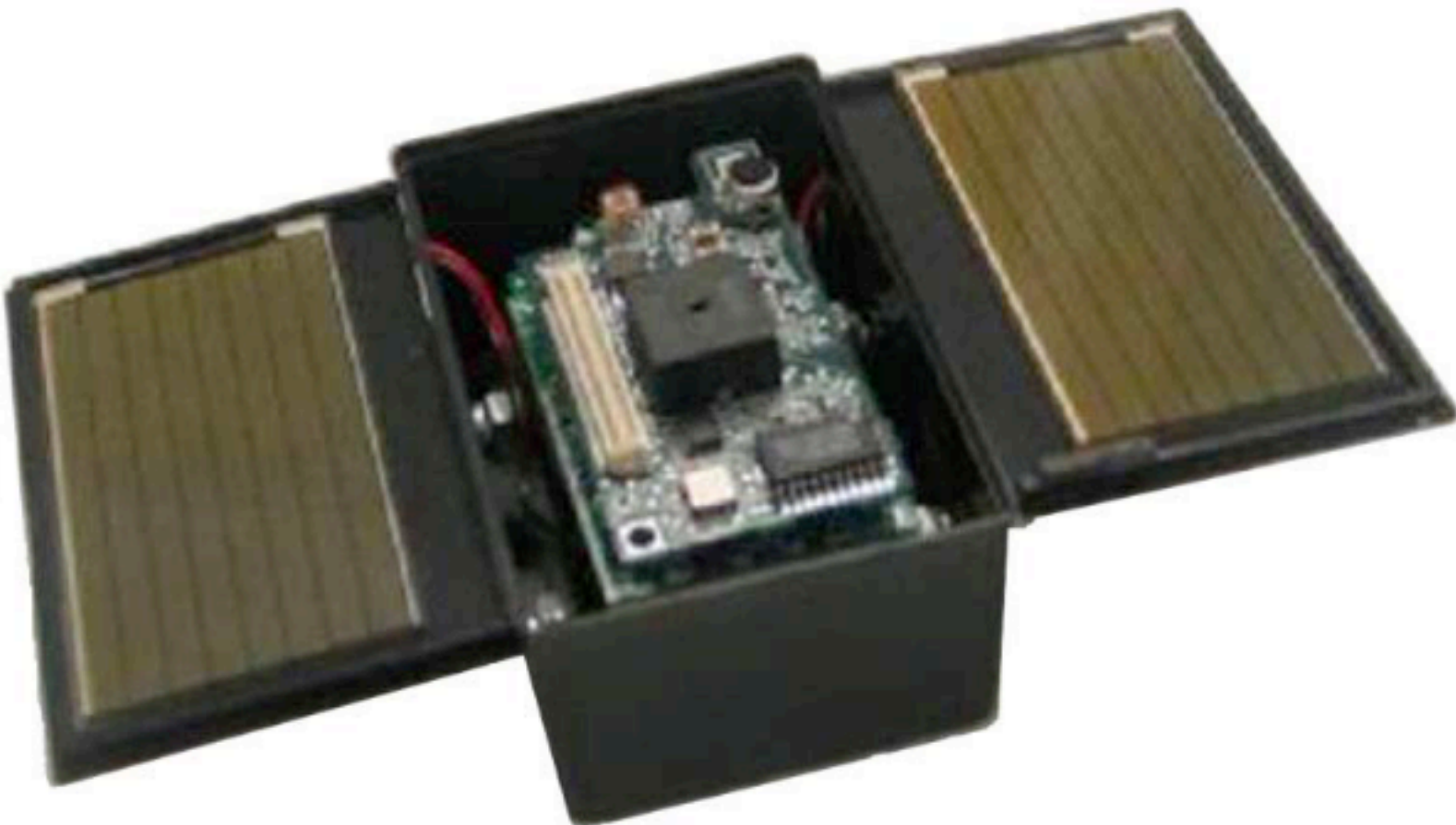
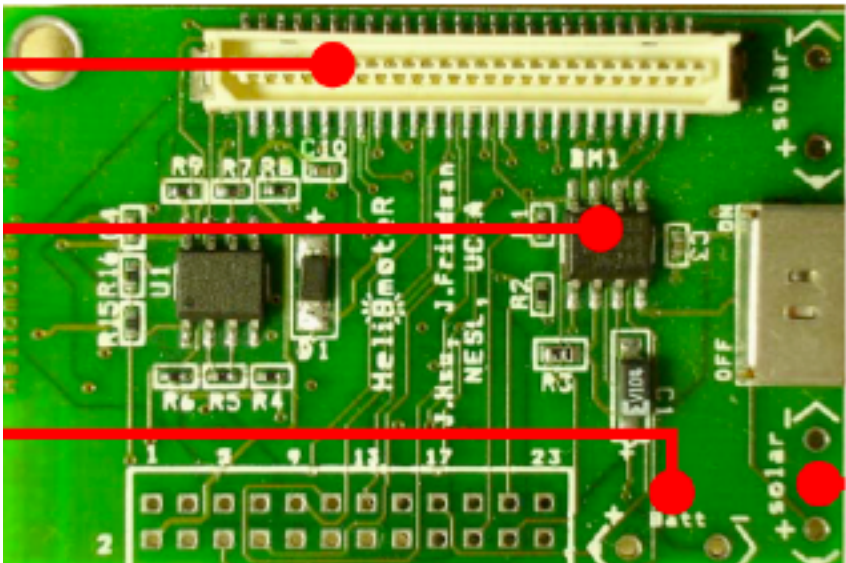


# HelioMote - a pioneer demo

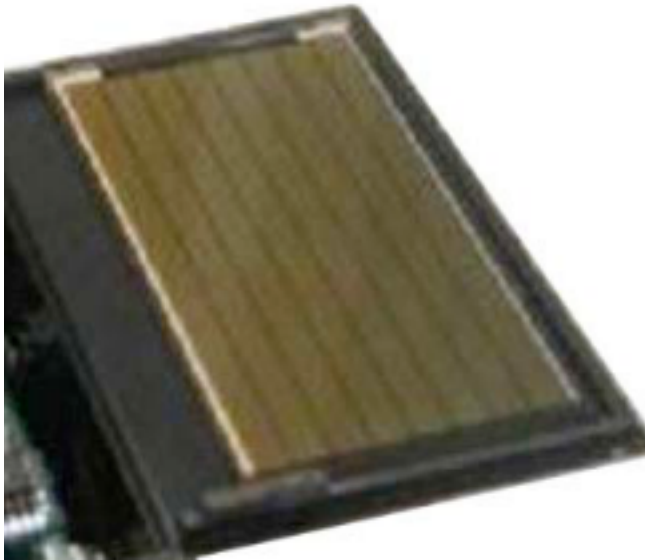
## Composition overview



**The Mica2 mote  
(Sensor node)**



**The HelioMote  
(Harvesting circuit)**



**Solar panel  
& battery**

# HelioMote - a pioneer demo

## Software interface

- Software support to enable “harvesting aware management”

```
async command result_t getData();  
async event result_t dataReady(uint16_t volt,  
    int16_t current, uint32_t rtc, uint8_t acc);
```

- nesC API that help Mica2 mote gather information
  - Instantaneous solar power availability
  - Battery terminal voltage
  - Accumulated current