## Harvesting Aware Power Management

## Residual battery based vs. harvesting aware

- what is finally left for both nodes?
- For traditional: Eb + Es\*η Er
- For harvesting aware: Eb + (Es-Er)\*η
- $\triangle E = Eb + (Es Er)*\eta (Eb + Es*\eta Er) = Er*(1 \eta)$
- And the energy gain will snowball after several day and night

<sup>\*</sup> the energy for routing is supplied from the solar panel first and only the remainder is stored in the battery

## HelioMote - a pioneer demo

**Composition overview** 

