

.NET Code Camp 2011

Team 3: Clover
Harri Johansson
Antti Knutas
Tommi Kähkönen

3 men

1 product

Greendel

The Problem

- It is difficult to follow your power consumption
 - Slow results
 - Involves paperwork or trips outside the house to the power meter
 - The only way to monitor energy consumption is to write down the power meter reading
- Adjusting heating and device use settings can have a big impact on the long run *if one knew how much they affect power consumption*

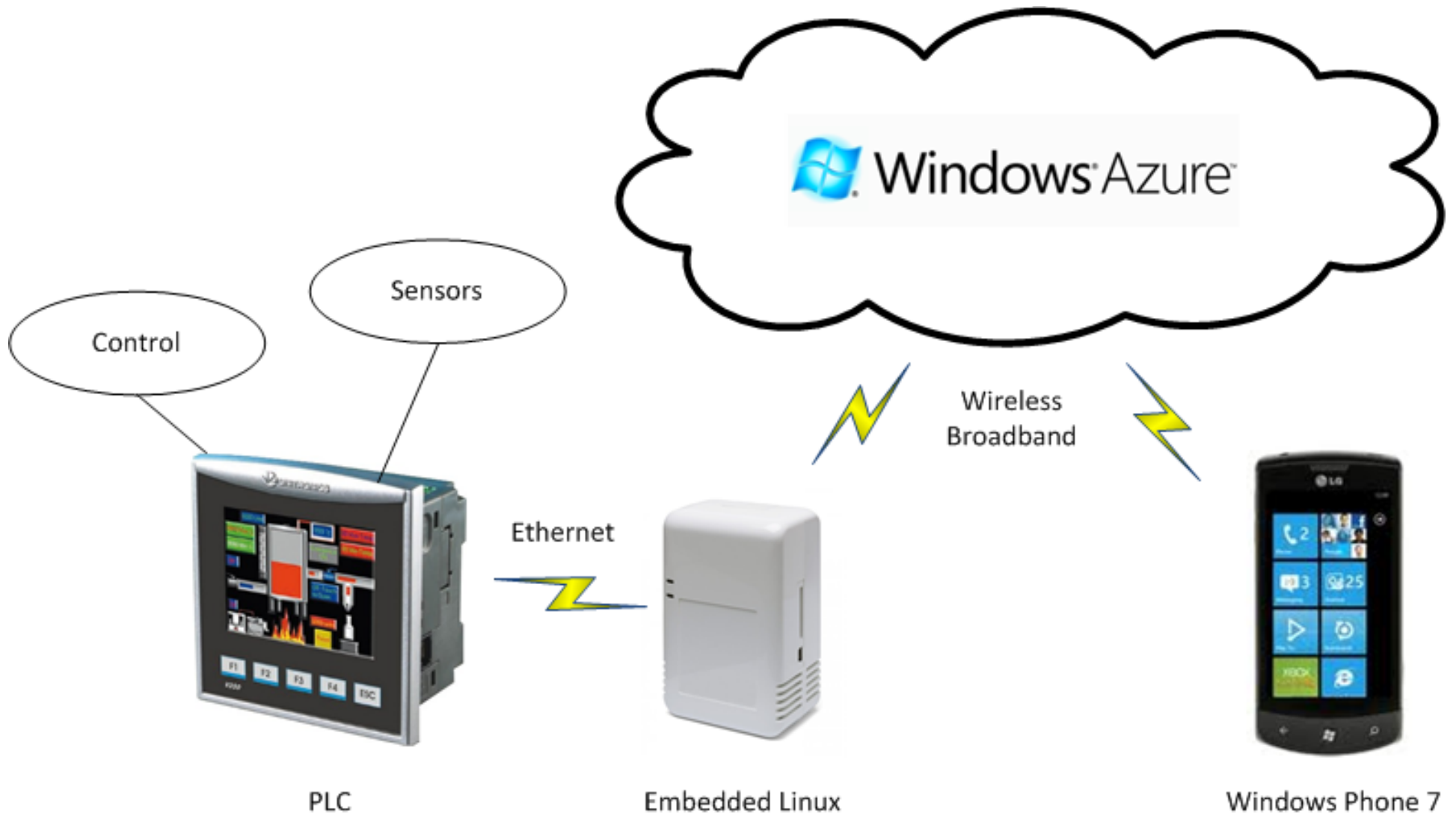
Solution: Mobile Power Monitoring

- A platform that shows power consumption in real time
- The user can adjust power use and immediately see how much he's saving
- History data shows past trends: How previous conditions have affected power consumption

Versatile Technology

- PLC device for power monitoring
- Embedded Linux device for PLC web connectivity
- IronRuby on Rails on Azure RESTful Web Service
- Windows Phone 7 program for user interactivity

Component Connectivity



The Conclusion

- Results
 - Working prototype
 - (Hopefully) strong entry to the Imagine Cup
- Plans and ideas for further development
 - For example scraping data from outside services
- Great team spirit