AMUSe: 21/03/06

Stephen Strowes
University of Glasgow

Summary

- AMUSe: Meeting
- Current implementation status
  - Event Bus technologies
  - Integration of major components
- Current direction
- ZigBee hardware support

Terminology

- SMC – As described previously, the collection of sensors and services which make up the cell.
- SMC Core – The 'centre' of the SMC, with the event bus, discovery service, and policy service.
- SMC Mote – A sensor outwith the Core, but part of the SMC.

Architecture

Implementation Status

- Integration of components (largely) completed.
- Policy Service instantiates the Event bus and the discovery service on boot.

Event Bus

- At the heart of the event bus, we now have:
  - siena, which large enough to make further modification difficult
  - C based pubsub mechanism, which isn't directly compatible with a CLDC-based SMC hub.

ZigBee

- Some vendors selling ZigBee hardware
  - embeddedworks.net
    - SDIO ZigBee hardware for PDA
  - telegesis.com
    - CF ZigBee hardware for PDA
    - USB ZigBee dongle