Web-based Monitoring

- network nodes based on CC1010 RF transceivers
- purpose: trace and monitor environmental and process parameters:
  - temperature
  - humidity
  - intensity of light
  - gas concentration
- common web interface
- visualization / control
- network bridge attached to host PC
- server provides access to the world wide web
- RS232
- TCP/IP
- authentication per IP address

Service Oriented Architecture

Fixed Sensors in Processing Applications

Mobile Sensors

Gateway

Enduser Terminal Equipment

- supporting various technologies (Bluetooth, Ethernet, WLAN, IR)
- offering service functionalities for different access levels, such as monitoring, controlling, bluetrack, directing and supervising functions
- automatically connecting to end terminals
- appropriate visualizations
- automatically checking available services
- user attendance