

Agenda

1. Sandwich kl. 12,15 – 13.
2. Presentation. All
3. Project status. CISS/DAIMI/CSI
4. Ongoing collaborations. Partners
5. Future collaboration examples. /Arne Skou
6. Discussion of further collaboration possibilities.

'Dit hus' status

/ Jeppe Brøndsted,
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Rune Torbensen

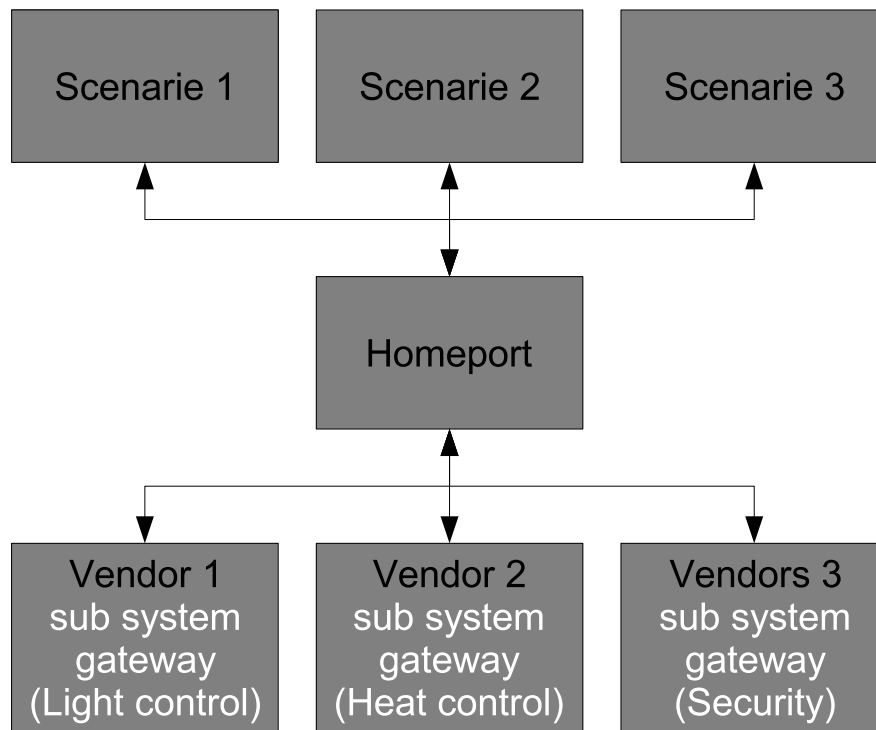
Project facts

- Period: April 2009 (August 2008) – medio 2011
- Budget: 10.6 mill.kr.
- Funding: 8 mill. kr. (2.6 mill. kr. for companies)
- Knowledge institution partners: AAU (CISS), AU/
Alexandra Institute, CSI, IHA, HIH (AU)
- Initial private partners: Develco, Seluxit,
Servodan

Project goals

- Implementation of a homeport prototype for co-existence of different home devices
- Validation of a number of scenarios and interoperabilities
- Collaboration with industrial partners
- Investigate the business potential of a homeport
- Knowledge dissemination of project results

Home port idea



- Home port
 - A SOA architecture
 - A protocol
 - A rule definition language
 - Configuration conventions
- Gateways
 - Connects vendor sub systems
 - Subsystems provide resources for the home port
- Scenarios
 - Abstract away from specific technologies
 - Interpreted/executed by home port
 - Exploit home port resources

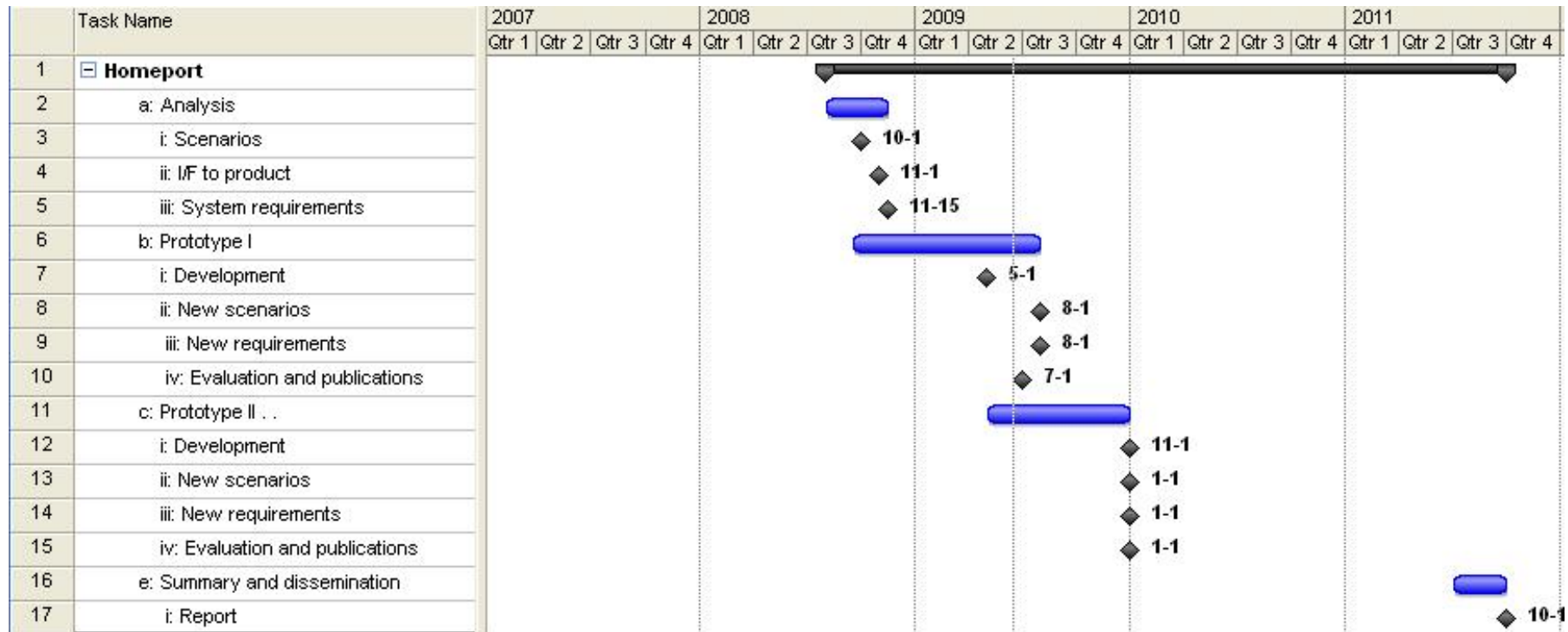
Project scope

- Assumption: Gateways spend minimal energy resources.
 - Focus is on interoperability
 - Gateway energy consumption is initially ignored
- We extend the functionality through scenario implementations
- Approach
 - The industrial partners define the scenarios
 - The industrial partners provide products/hardware/functions
 - The university partners contribute with methods/protocols and prototypes of homeport interoperability

Project phases

- Analysis:
 - Selection of initial scenarios and system requirements
 - Definition of interface towards subsystems
- Prototype I
 - Development
 - New scenarios and system requirements
 - Evaluation and publications
- Prototype II . . .
 - Development
 - New scenarios and system requirements
 - Evaluation and publications
- Summary and dissemination

Plans and milestones



Collaboration examples

- Develco:
 - I/F between homeport and ZigBee standard controlling selected devices
 - Runs for autumn 2009
- Seluxit:
 - I/F between homeport and Z-Wave standard
 - Rule language
 - Transfer protocols
 - Configuration (internal/external)
 - Runs for the next year
 - Possibly I/F to 'minbolig'.
- Servodan:
 - Communication with Servodan controller
 - Runs for autumn 2009

Collaboration examples

- Zensehome:
 - Basic integration and energy measurements via Zensehome powerline products
 - Runs for spring 2010
- Danfoss (heating solutions):
 - Selected scenarios (measurements, setpoints, schedules) using Z-Wave standard profile
 - Z-Wave evaluation
 - Runs for the spring 2010