

IST-002057 PalCom

Palpable Computing:*A new perspective on
Ambient Computing***Deliverable 38 (2.14.2)****Version 1 of the Demonstration Toolkit****IST-Event Helsinki 2006**

Due date of deliverable: m 35

Actual submission date: m 35

Start date of project: 01.01.04

Duration: 4 years

Aarhus School of Architecture

Revision: 1.0

**Project co-funded by the European Commission within the Sixth Framework Programme
(2002-2006)**

Dissemination Level

PU	Public	PU
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Integrated Project**Information Society Technologies**

**Information Society
Technologies**

Version 1 of the demonstration toolkit.

Background.

The version 1 of the Demonstration toolkit is part of the four main objectives of the Dissemination strategy defined in the Dissemination workpackage description. The Deliverable 38 was in praxis the palcom prototypes at the IST event, thus this report is a documentation of the actual deliverable. (All workpackages have contributed to the event).

The Palcom project has besides of the main objective to provide a new open architecture, a strong user centred approach in the methodology applied for achieving this. Together with "real life" practitioners palcom has developed a range of prototypes exploring palpable qualities. The prototypes function as demonstrators of the palcom open architecture, and exemplify practical use situations of the different elements of the open architecture. The demonstrators also provide feedback to the project. Not only in relation to the software development, but also through the process where palcom researchers explain and discuss the palcom issues with other people ranging from highly qualified researchers and developers to ordinary people just interested in the implications for their everyday life.

Objectives

The objectives for participating in the IST-event, have been a combination of several issues. Firstly, the IST event is an opportunity for meeting other professionals from the IST community. Secondly, it is a challenge to take technology out of the controlled lab-conditions and set it up in a unknown environment such as an exhibition, which provides the project with important information about the robustness of the prototypes. Thirdly, we train ourselves in explaining palpability in many different levels regarding the diversity of the visitors at the stand, and finally and maybe most important: The project gets a chance of presenting the results and correlations between the different prototypes to an external audience.



Figure 1: The final 3D proposal to the standlayout

Prototypes.

5 prototypes were demonstrated at the exhibition. The WP7 sitetracker, the WP8 biomonitor, the WP8 overview, the WP11 incubator and the WP11 tiles. The prototypes are presented in the following by a short text and one or more photographs of the setup. For more detailed descriptions of the specific prototypes, we refer to the forthcoming Deliverable 44 (2.7.2).

Sitracker



Figure 2: Left: The dotted lines on the map show the angle of view "seen" by the sitetracker. The picture in the upper right corner shows the picture from the webcam. The diagram in the lower right corner shows the palcom architecture (service browser). Right: The webcam with compass and motor.

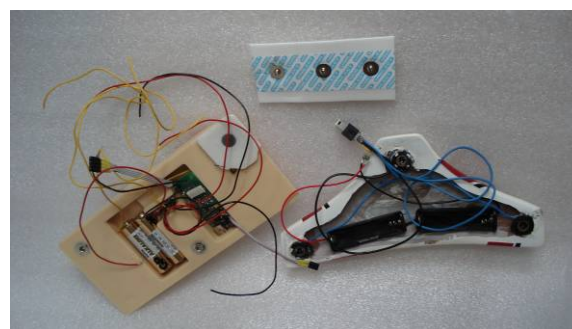


Figure 3: Biomonitor



Figure 4: The sitetracker setup at the exhibition.

The site tracker setup, consisted of a 32" screen, a 22" screen and a webcam mounted with a digital compass and a stepmotor with the capability of turning the compass and webcam 360°.

Biomonitor

The biomonitor was represented by the different mockups and a running prototype with a Bluetooth connection to a PDA for displaying the biomonitor information.

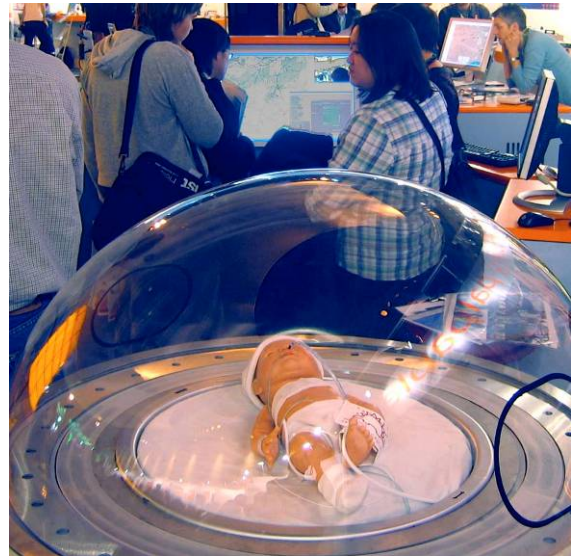
Overview



The Overview setup consisted of a 32" inch display and a 22" inch display making it possible to show collaboration between the two screens. Furthermore, a physical map of the railway yard where the presupposed major incident had taken place was available on the large exhibition table on the stand.



Incubator



The incubator was presented with a dynamic reconfigurable mattress and a model of a baby with mounted sensors.

Tiles



The tiles demonstrator consisted of a waterbasin, with four configurable tiles and a display showing the tiles-simulator used for programming.

Photos from the exhibition.

More info on the IST-event can be found at: <http://www.ist-palcom.org/events/ist-event-2006/index.php>

