

# HSH Key Components and Services

## Monitoring and Alarm Handling Services

- Touch-screen Base Unit (In-Touch)



- Elderly-friendly mobile unit (Mambo)



- Medical devices



- Environmental sensors

- Behavioural analysis and monitoring



- HOME SWEET HOME Portal

## eInclusion Services



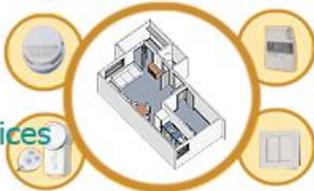
- Navigation Services

- Behavioural analysis

- Daily Scheduler

- Cognitive training Services

- Domotic Services



# European Consortium



# Home Sweet Home



## Home Sweet Home

Health monitoring and social integration environment for Supporting Wide Extension of independent life at HOME



Project number 250449  
Programme CIP-ICT-PSP

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## The Challenge

The population in Europe is experiencing a major demographic shift. Between now and 2025, the proportion of the population over 65 will increase from 20% to 28%. This poses a huge challenge for most European countries; they will be facing severe economic and personnel shortage problems while supporting a growing elder population. At the same time, new requirements are emerging for health, social inclusion, policy making, access to public services and lifelong participation. A key approach to address this challenge is to identify and invest in ICT based solutions that support older people living independently at home.



## The Project

The HSH project was funded by the European Commission under the Competitiveness and Innovation Programme (CIP-PSP).

Home Sweet Home provided an integrated care environment addressing social and health services combining, in a simple to use solution, monitoring, inclusive and domotic tools covering the essential needs of the elderly.

The project started March 2010 and lasted 48 months, 27 of which devoted to validating the HSH solution in well defined and comprehensive trials. The Consortium comprised 18 public and private organisations from four countries of the European Union.

## The Objectives

Home Sweet Home has piloted and assessed a new, economically sustainable comprehensive set of home assistance services. The HSH solution was expected to:

- Substantially extend the independent living of elderly people, improving their quality of life, while providing a level of safety equivalent to or better than that enjoyed in residential homes.
- Improve elderly people's health monitoring and their mental fitness through cognitive training.
- Improve social connection of elderly people through an intuitive videoconferencing system, which is based on the familiar combination of a TV set and infrared remote control.
- Support elderly people in their daily life activities through the scheduler service.
- Improve the quality of life of caregivers and relatives by offering both respite from the care routine and peace of mind when they are away, knowing that their loved ones are fully monitored.

Compensate for growing physical impairments by easy-to-use domotic devices which make it possible to literally "manage the house from an armchair" if elderly people are no longer able to move around easily.

## The results and the benefits

### HSH helped to demonstrate that:

IT based services support a safe environment for elderly people wishing to continue living independently at home.

These services can be used by elderly people who have never previously been exposed to technology, even those having some physical impairments.

### HSH has evaluated:

Economic feasibility of the services, to be deployed on a large scale: the outcome was positive.

The return of investment (ROI) by reducing costs in other areas of health and social care provision: this depends on a high number of factors, and is not evident per se.

### HSH Assessed the impact:

By operating a 27-month pilot in four different regions, using the rigorousness of multicentre randomised control trials. The results show an uneven pattern: the impact is positive only under certain conditions..

The exploitation potential is strongly dependent on a number of factors the main one being the national healthcare funding system.