



# Sustainable technology solutions for better living



Gunnar Fagerberg

**The European project MonAMI works with local stakeholders in five countries to develop and demonstrate supportive technology for home care solutions delivered in mainstream platforms. In Stockholm, the Swedish Institute of Assistive Technology collaborates with the city's housing company Micasa Fastigheter and The Royal Institute of Technology (KTH). A social care alarm over IP is one of the services being tested.**

doors and shutters and communication technology for easy interaction with the world outside.

Micasa Fastigheter is the Stockholm City housing company for all types of sheltered housing. In a building for supported living in central Stockholm, Micasa has built a full scale showroom apartment to demonstrate the latest knowledge and technology for different stakeholders and the public.

Eva Eriksson, Project manager at Micasa Fastigheter, explains:

- We want to show what a future care apartment may look like. Project groups involved in developing new housing will visit here to get ideas and inspiration. It can also serve as a source of knowledge and inspiration for architects, care personnel, students and other municipalities.

Among the things visitors can see are panels for information about time and weather, a door video telephone and equipment to receive MMS and video messages on the TV set. MonAMI partners KTH and SIAT have contributed with background knowledge, recommending technology, services and digital infrastructure.

### Testing services on a common platform

One of the services tested within MonAMI is a safe social care alarm over IP, using technology from the company CareTech, connected to the basic MonAMI platform using the OSGi open system. Another example is activating games with a kinetic remote for elderly, using a Wii games remote. The infrastructure and platforms delivering the services have been developed within MonAMI and use

MonAMI (Mainstreaming on Ambient Intelligence) is funded by the EU Sixth Framework Programme, Information Society Technologies, involving fourteen partners from seven countries with the Swedish Institute of Assistive Technology (SIAT) as coordinator.

- The aim of MonAMI is to demonstrate that accessible and useful services for elderly and persons with disabilities living at home, can be delivered in mainstream systems and platforms in a cost-efficient way. When we design and evaluate the services it is important to work closely with local actors to fit into existing infrastructures and systems, says Project Manager Gunnar Fagerberg.

### Apartments for research and for demonstration

In Haninge, south of Stockholm, KTH's Centre for Health and Building has created two living lab research apartments to be used in teaching and development of technology-based services for future living. In these labs, services will be tested in a home-like environment before being introduced into test persons' homes for a longer term trial. The labs will be equipped with sensors for determining the status of the apartment and the residents, devices for operating appliances,

mainstream technology. Both services are installed in the research apartments in Haninge, and in the Micasa showroom apartment.

- It is important that products, infrastructures and services are designed to work for as many persons as possible. Using a common platform, we try to avoid special solutions, says Oskar Jonsson, Swedish technical coordinator in MonAMI.

Gunnar Fagerberg adds:

- Today we do not yet have results from large research studies in the area of health, building and technology, which we need to convince decision makers and actively contribute to better living for elderly and persons with disabilities.

**The MonAMI project is also working with local stakeholders in France, Slovakia, Spain and the United Kingdom.**

**Find out more:  
The MonAMI project:  
[www.monami.info](http://www.monami.info)**

**Swedish Institute of Assistive Technology:  
[www.hi.se](http://www.hi.se)**

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Eva Eriksson



Oskar Jonsson

## Easy Line Plus

Easy Line+ is a European Project under the IST Priority in the European 6th Framework Programme for Research and Technological Development, which includes an eInclusion Strategic Objective.

Our main objective is to develop prototypes near to market of advanced white goods in order to support elderly persons with or without disabilities to carry out a longer independent life which will compensate their loss of physical and/or cognitive abilities.

The users, elderly persons, may activate by themselves any white goods appliances in the home, or allow the smart system (e-servant) to do so under the user requirement and supervision. The e-servant will be a White Goods control system, based on the sensor information and the habits of the user. In an emergency situation as fire or flood detection, the e-servant would activate itself taking corrective actions needed such as switch off the hob. The e-servant will also be a learning system which detects the loss of abilities of the user and try to compensate for them.

The consortium of this project will be led by Universidad de Zaragoza as R&D expert in new technologies suitable for increasing the functionalities of 'white goods' (Neuronal Networks, Zigbee, RFID sensors), jointly with:

- Glyndwr University, Wales R&D experts in new technologies suitable for increasing the functionalities of 'white goods' (Human Machine Interfaces)
- BSH-E: White Goods' manufactures, third at world level.
- GERA-IDENT GmbH experts in RFID applications
- Motive Technology UK Limited experts in software
- Grupo de empresa G2V: experts in Domotic implementation
- C-LAB Accessibility experts (participation from month 1 to month 27)

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