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megatel Informations- und Kommunikationssysteme GmbH is an internationally operating German IT consulting and software house. Megatel offers database solutions, software development, IT Management, GIS, Soft- and Hardware for Telematics, Intra- and Internet applications and Automotive Onboard Software. megatel is part of the OHB AG, the European company for Space Technology & Security, Telematics and Satellite Services.



neusta mobile solution GmbH (NMS) provides consulting and application development for mobile devices. Founded in 2004, NMS is a joint venture of team neusta and University of Bremen. In FP6 IP wearIT@work NMS contributed to the knowledge based software framework. NMS holds a pending patent application of a knowledge based intrusion detection system. Activity recognition predictors were developed in the EC projects Help-AAL and in REMPARK. In the latest joint AAL projects ASSAM and SafeMove NMS contributes to the mobile platforms.



InfoConsult Gesellschaft für Informationstechnik mbH is a German consulting company, dealing with innovation and knowledge management. InfoConsult specialises in new information technology concepts such as wearable computing applications for healthcare and support for disabled people.



Volkshilfe Oberösterreich (The Volkshilfe) is in Upper Austria and has 1.500 employees to support disadvantaged people in Austria. It takes professional care for the elderly, children and adults with special needs and gives them the chance to live a life with full dignity. The Volkshilfe also supports the unemployed and helps them to find a way back into the world of employment. Support is provided to people who have fled from war or disaster areas and now are seeking shelter in Austria.



Universität Bern (Gerontechnology and Rehabilitation Group) offers high quality education across multiple subjects. It enjoys special recognition in leading-edge disciplines and it has an excellent reputation for high quality teaching. The university's comprehensive offering includes 8 faculties, 160 institutes, 100 Bachelor and Master programmes, PhD in different disciplines (i.e. science, medicine). It is of mid-range size amongst Swiss universities.



e-Learning Studios is a leading provider of e-Learning services to organisations in the UK and Europe. We transform ideas and information into innovative e-Learning courses through engaging rich content development, flexible delivery and rapid deployment. We work in mobile learning, social learning, games based learning and simulations. The team has successfully led and contributed to several EU transnational projects in recent years.

Netural

'Seeing the beauty yet not feeling the complexity' is the motto of Netural, an interactive media agency. Developing innovative strategies for Austria's top companies, it is one of the most successful Austrian digital media specialists. With offices in Vienna and Linz and more than 50 employees, Netural offers a wide range of services from online campaigns to mobile and augmented reality apps.



Methodica provides effective learning and knowledge solutions including consultation and guidance on training, implementation of various methodologies of training and development of content material. Methodica's subcontractor – Edna Pasher Ph.D & Associate will specialise in researching the social aspects of the SafeMove project and the human interface of devices.



The SafeMove project is funded by the Ambient Assisted Living (AAL) Joint Programme (contract N° AAL-2011-4-094) and the national funding authorities of Austria, Germany, Israel, Switzerland, and United Kingdom.



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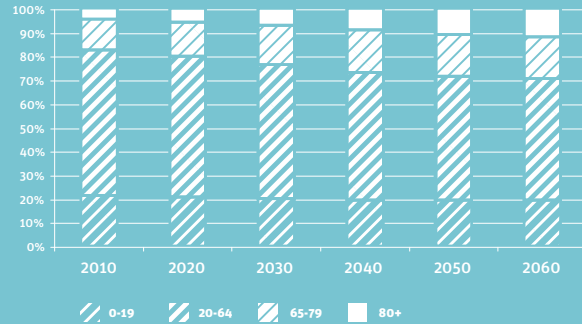
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Safe mobility
of elderly
in the vicinity
of their home
and on journeys

Projection of changes in the structure of the population by main age groups, EU27 (in %)

Source: Commission services, Eurostat, EUROPOP2010.



Facts and Figures

Project title:	Safe mobility of elderly in the vicinity of their home and on journeys
Funding:	AAL
Contract Number:	AAL 2011-4-094
Duration:	36 Months
Starting Date:	July 1st , 2012
Project Website:	www.safemove-project.eu



Background

There are several reasons why elderly people become reluctant to travel or even to take a walk e.g. physical impairment, orientation problems, or feeling of insecurity. The lack of movement and motivation leads to social isolation and the need for caring.

By 2020, 25% of the EU population will be older than 65 years. The European working-age population will shrink. This demographic shift will increase the cost of the health systems as more people need some kind of care.

The SafeMove project vision is to enable the elderly to stay longer at their own homes, go out and to join social activities by becoming well-trained through the use of modern IT devices. SafeMove will seek to give them a longer new joy of life and enable new social contacts.

Aims

SafeMove aims to encourage self-confidence in their own abilities by providing home-based physical and cognitive training as well as location-based aids during outdoor life activities.

IT training devices will be developed to enhance the fitness of the elderly in an interactive and pleasurable way. From the new training methods, persons with light dementia are supported to find their way outside their home, in public traffic or at social events. They will get help to remember daily life tasks like dressing themselves according to the weather conditions or to take the keys with them when leaving the house.

Caregivers will have the opportunity to detect the health condition of their clients remotely and could support them in keeping them healthy and mobile.

Ambition

All the innovative services developed by SafeMove will aim at supporting elderly people during their daily life while encouraging their mobility both indoor and outdoor.

This will be implemented by user friendly interactive systems which focus on the needs of elderly people with or without slight impairments.

This ambitious result will be achieved by a collaborative interdisciplinary group of experts from the consortium which includes physicians, scientists and care providers. In addition different types of users such as the elderly, family members, nurses, and other medical staff will contribute to ensure the system compliance with user needs.

