



Grant Agreement number: 288899

Project acronym: Robot-Era

Project title: Implementation and integration of advanced Robotic systems and intelligent Environments in real scenarios for ageing population

Funding scheme: Large-scale integrating project (IP)

Call identifier: FP7-ICT-2011.7

Challenge: 5 – ICT for Health, Ageing Well, Inclusion and Governance

Objective: ICT-2011.5.4 ICT for Ageing and Wellbeing

Project website address: www.robot-era.eu

D10.2

Project leaflet, poster and public presentation

Due date of deliverable: 30/06/2012

Actual submission date: 03/08/2012

Start date of project: 01/01/2012

Duration: 48 months

Organisation name of lead contractor for this deliverable: TeD

Deliverable author: Fabrizio Vecchi, Teresa Pagliai

Version: 2.1

Project co-funded by the European Commission within the Seventh Framework Programme (2007-2013)		
Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Service)	
RE	Restricted to a group specified by the consortium (including the Commission Service)	
CO	Confidential, only for members of the consortium (including the Commission Service)	



Document History

Version	Date	Author	Summary of Main Changes
1.0	18-04-2012	Teresa Pagliai (TeD)	Added first version of the public presentation
1.1	20-06-2012	Teresa Pagliai (TeD)	Added first version of the leaflet
1.2	31-07-2012	Teresa Pagliai (TeD)	Added first version of the poster
1.3	31-07-2012	Fabrizio Vecchi (TED)	Final submitted version
2.0	26-11-2012	Filippo Cavallo (SSSA)	Project Manager request of revisions
2.1	03-12-2012	Fabrizio Vecchi (TeD)	Final version of the document and submission to the Project Coordinator



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1 Public presentation, leaflet and poster

A public presentation, a leaflet and a poster have been realized and disseminated starting from Month 4. They will be updated every 6 months. They are downloadable from the public website (**Public documents** section) in pdf format only and are available in the **Repository > Dissemination files and plan** area in other formats.



The slide features the Robot-ERA logo at the top center. Below it, the text reads: "Implementation and integration of advanced **Robotic** systems and intelligent **Environments** in **real** scenarios for the **ageing** population". To the left is the European Union flag, and to the right is the FP7 logo. Below the main text is the project identifier "Large-scale integrating project (IP), FP7-ICT-2011-7" and the website "www.robot-era.eu". The central title is "A SYNOPTIC GLANCE AND MAIN OBJECTIVES". Below this, the project coordinator is listed as "Paolo Dario" with the email "paolo.dario@sssup.it". At the bottom, a small text line states: "The Robot-Era Project has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement num. 288899".

Figure 1: First slide of the public presentation.



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Robotic services to take care of elderly from the street to the home



Implementation and integration of advanced Robotic systems and intelligent Environments in real scenarios for the ageing population

START DATE
01/01/2012

DURATION
48 months

PROJECT COST
€ 8,700,000.00

MAXIMUM EU CONTRIBUTION
€ 6,470,000.00

FUNDING SCHEME
Large-scale Integrating project (IP)

CALL IDENTIFIER
FP7-ICT-2011.7

CHALLENGE
5 - ICT for Health, Ageing Well, Inclusion and Governance

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The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement num. 248809 (Robot-Era Project)

  www.robot-era.eu

WHY

European population projections have recently underlined that the number of elderly persons living in Europe will quickly increase in the coming years.

- The demographic trend will lead:
- to a growing number of older people living alone and in need of (intensive) care;
 - to an ageing workforce;
 - to more financially well-appointed and wealthy senior citizens ready to enjoy their third age.

Robotic technologies have nowadays reached a mature level of development allowing the implementation of service robotic systems able to perform different service tasks not easy for industry, but also for "ageing well" applications, which are conceived to improve the independent living and quality of life of elderly people and to provide efficient cares.

OBJECTIVES

The objective of the Robot-Era project is to develop, implement and demonstrate the general feasibility, scientific/technical effectiveness and social/legal plausibility and acceptability by end-users of a plurality of complete advanced robotic services, integrated in intelligent environments, which will actively work in real conditions and cooperate with real people and between them to favour independent living, improve the quality of life and the efficiency of care for elderly people.



A concept of the Domestic Robot-Era robot

METHODS

Firstly the Robot-Era project will provide preliminary specifications by analyzing end-users needs and by involving end-users in an exhaustive interview-based assessment of robotic services. After that, it will start the design and the development of the robotic platforms and smart environments. During the entire project all the legal, economical and social issues that should be solved in order to achieve breakthrough results in the deployment of Robot-Era services will be investigated. Finally, all along the project duration the Robot-Era outcomes will be transferred in the EU and international community, by disseminating knowledge among stakeholders, researchers and end-users.

A concept of the Condominium Robot-Era robot



PLATFORMS

Research in Robot-Era will make use of already available prototypes and robotic platforms which will be adapted and optimized for the Robot-Era services and for usability and acceptability criteria identified by elderly people. The Robot-Era project plans to use the robotic platforms in 3 different scenarios: indoor, condominium and outdoor.

A concept of the Outdoor Robot-Era robot



PILOT SITES

The pilot sites for the experimentation of the Robot-Era services will be set in Peccioli (Italy) and Örebro (Sweden), which have already participated in several research projects as providers of places, facilities and general supports for realistic experiments, and their citizens have a proved attitude to test and use technology. The DeroCasa Lab and some residential sites are the pilot sites in Peccioli. The facilities provided by Örebro University and Länsgränd Fastigheter Aktiebolag will respectively be the PEESHome Lab and the Ången living facility.

EXPECTED RESULTS


- Six robotic platforms, fully integrated in indoor and outdoor smart environments, that will perform a set of innovative robotic services in three different scenarios (indoor, condominium and outdoor)
- More than 70 end users involved in experimental long trials in two validation sites, in Italy and in Sweden
- A competent, well integrated, interdisciplinary, committed consortium and a unique opportunity for EU project to accelerate the application of service robots for ageing well.

Figure 2: Leaflet of the Robot-Era Project.



Implementation and integration of advanced Robotic systems and intelligent Environments in real scenarios for the ageing population

The objective of the Robot-Era project is to develop, implement and demonstrate the general feasibility, scientific/technical effectiveness and social/legal plausibility and acceptability by end-users of a plurality of complete advanced robotic services, integrated in intelligent environments, which will actively work in real conditions and cooperate with real people and between them to favour Independent living, Improve the quality of life and the efficiency of care for elderly people.

 The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement num. 238899 (Robot-Era Project)

START DATE
01/01/2012
DURATION
48 months
PROJECT COST
€ 8,700,000.00
NATIONAL CONTRIBUTION
€ 6,470,000.00
FUNDING SCHEME
Large-scale integrating project (IP)
CALL IDENTIFIER
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CHALLENGE
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Figure 3: Poster of the Robot-Era Project (dimensions 200x95 cm²).