



## Future Benefits

New market opportunities for European Industry and promotion of a global leadership in inclusive ICT.

Radical improvement in accessibility and usability of future AAL services.

Empowerment of the User Centred Design Methodology, with an active role of final users in the design process of new assistive AAL solutions.

New tools and methods to allow developers to verify and optimise accessibility at all development stages.

[www.vaalid-project.org](http://www.vaalid-project.org)

## Consortium Partners

- 1 Siemens S.A. (COORDINATOR)
- 2 Instituto de Aplicaciones de las tecnologías de la información y de las Comunicaciones Avanzadas (ITACA)
- 3 Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. (Fh-IGD)
- 4 Università degli Studi di Parma (UNIPR)
- 5 Centro di Cultura Scientifica A. Volta (VOLTA)
- 6 Universidad Politécnica de Madrid (UPM-LST)
- 7 User Interface Design GMBH (UID)
- 8 Nonymi Etairia Systematon Organosis Leitourgias Kai Epikoinonias Epicheiriseon (SPIRIT)



Accessibility and usability validation framework for AAL interaction design process



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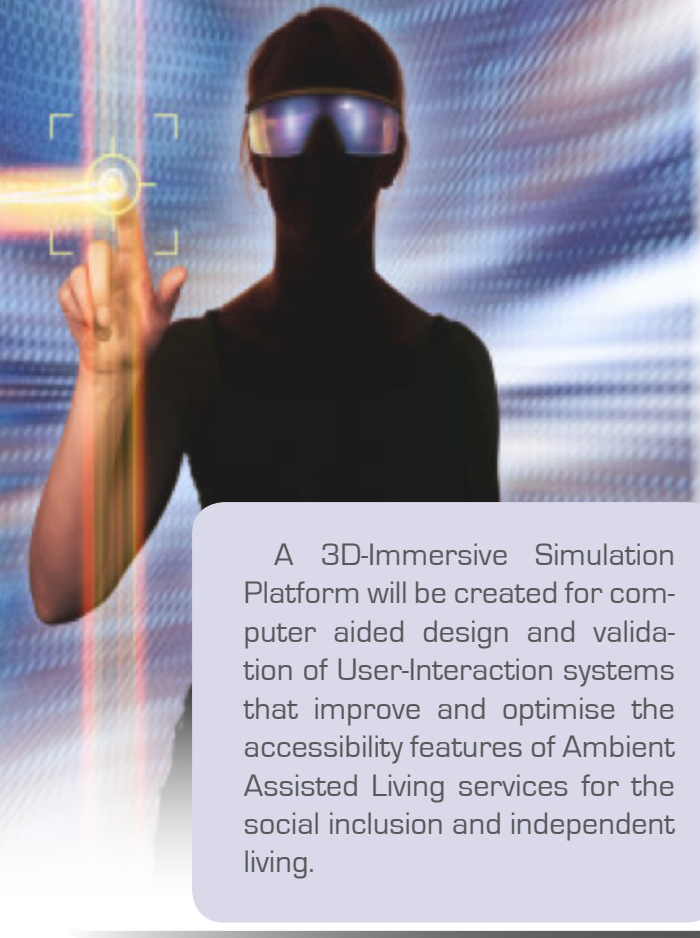
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Collaborative Project  
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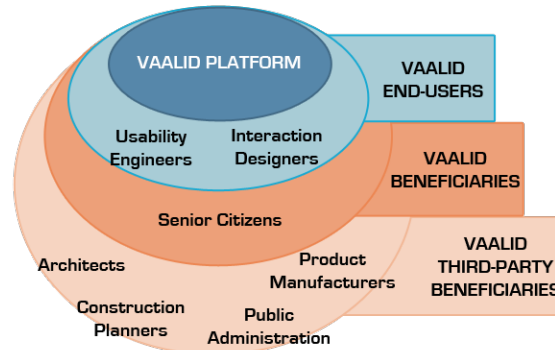
# VAALID Concept

VAALID project aims at creating new tools and methods that facilitate and streamline the process of creation, design, construction and deployment of technological solutions in the context of Ambient Assisted Living.



A 3D-Immersive Simulation Platform will be created for computer aided design and validation of User-Interaction systems that improve and optimise the accessibility features of Ambient Assisted Living services for the social inclusion and independent living.

# Potential Users



VAALID platform will enhance the role of all involved actors in the creation and validation of AAL future services: designers, final beneficiaries and third parties.

# New Tools

The VAALID system will consist of two work environments:

» **Authoring environment:** a 3D based authoring tool will allow the creation of 3 different models: AAL Service Interaction model (any present or future AAL service), the Environment model (smart house, airport,...) and the User Behaviour Model (mobility impaired, visual impaired, ...)

» **Simulation environment:** the models are integrated and run by the AAL service interaction simulator during the different stages of the development, providing feedback to the engineers about the accessibility, usability and user's acceptance of the Human-Environment interaction.

# Architecture

