

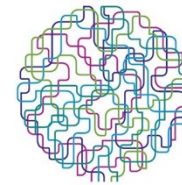


***Omega Technology***  
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**This presentation is for**

- Workshop 1** Big Data
- Workshop 3** Photonics and Micro-and-Nanoelectronics
- Workshop 2** Robotics
- Workshop 4** internet of Things

# Description of the Organization



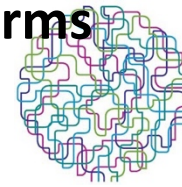
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- Omega Technology has more than 25 years of experience in the IT sector in Greece. Headquarters in Athens.
- Proven record in conceptual system architecture, system design, software development, systems integration and systems evaluation.
- Involvement as integrator and software developer in many European Projects.
  - I-SUPPORT (H2020-PHC-2014-single-stage) project relevant to use of robotic soft arms for disabled people to bath on they own
  - Q-Tales(H2020-ICT-2014-1) project for the Childs e-book publishing sector using 3D Authoring tools
  - STORIES(H2020 - ICT-22-2016) project for developing authoring tools in VR environments for creating interactive narrative stories from students visions on the Future of Space Exploration.

# Description of the your research interest



- Main research activities of the company
  - **Real time indoors localization.** Own localization and fall detection system. Low power system that is able to track people moving on a grid at an indoor environment in real time.
  - **3D Games and User Interfaces.** Use of game elements and techniques in non-game contexts to motive engagement, participation and potentially drive behaviour towards predefined goals.
  - **Robotics and IoT.** Research work is dedicated on exploiting potential and synergies of different technologies able to support people in daily needs and activities.
  - **Augmented and Virtual Reality.** Development of the AR and VR dynamic applications using Unity3D game engine. Experience in back-end systems and integration with other platforms and components.

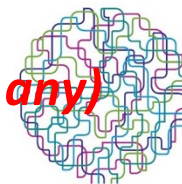


## Open IoT platform for ageing well.

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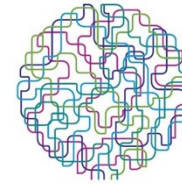
- Objectives:
  - To offer an intelligent cloud platform with open API for elder people living in smart homes fully compatible with HL7 standard.
- Expected results
  - The platform will offer data analytics, smart search capabilities, statistics and interoperability with health medical records(interoperability with other e-health services).

# Consortium - profile of known partners *(if any)*

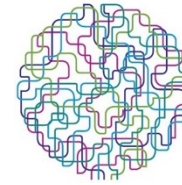


No	Partner Name	Type	Country	Role in the Project
01	Omega Technology	SME	Greece	Integrator
02	Ortelio	SME	UK	Cloud Software
03	Ergastiri	NGO	Greece	User/Pilot Operating Supported Living Residences
04	SenseWorks	SME	Greece	IoT solutions
05	Hospital	-	Greece	User/Pilot patient records interoperability
06				
07				
08				

# Consortium - required partners



No	Expertise	Type	Country	Role in the project
01	Data Analytics	RTD		Data analytics and open APIs
02	Smart Home/City			Users/Pilots
03	IoT Solutions providers	RTD		Networking and interface technologies
04	Security	RTD		Security
05	University	RTD		E-Health
06				
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