



Proietti designs, manufactures and distributes high-tech products:
time & attendance software
data collection devices
access control and building automation systems



Headquarter of Ascoli Piceno (South Marche – Italy)

Proietti invests heavily in innovation and advanced technologies.

The Company has its R&D department with highly qualified personnel.

Proietti owns the intellectual property rights of the developed hardware devices and software applications.

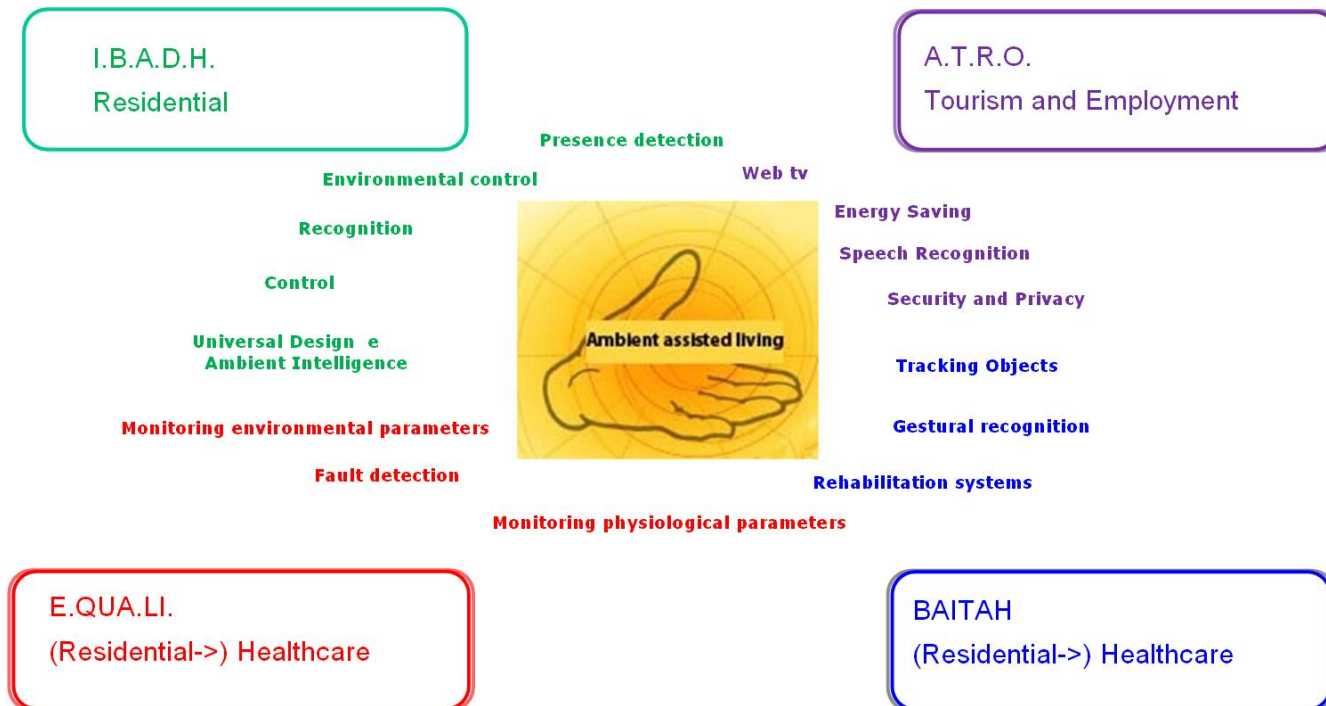
Proietti is the **leader of a group of local companies**, research centres and academic institutions involved in projects related to **ambient assisted living**.

Partners and Company Collaborations:

- Technology Suppliers
- Manufacturing companies
- Builders and plant engineers
- Designers specialized in technology and assistive devices
- Scientific Working Groups and University
- Associations, Healthy Networks, Social Service Associations
- Rehabilitation Structures
- Local authorities (agencies and municipalities)

In the last five years Proietti has started several research projects for the development of new products and solutions to make life easier for disabled and elderly in the home environment, and working.

Ambient Assisted Living Platform



One of the latest projects is called **IBADH** (Intelligent Building Automation for Disabled's Home).

Ambient Assisted Living Partners

TMItalia
MANIFATTURA
SARTORIALE
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ALTO DESIGN ITALIANO





IBADH

Intelligent Building Automation for Disabled's Home

Companies that have participated in the project:



Proietti Planet S.r.l. (building automation system)

TMItalia

TM Italia (kitchens production)



Iside (social co-operative)



Genera (installers)

Research centre



Technology partner



IBADH

Intelligent Building Automation for Disabled's Home

Period of the project:	september 2010 december 2011
Amount of investments:	€ 600.000,00
People involved:	21 researchers

PROJECT'S OBJECTIVES

Create an environment in which elderly and disabled people can live with a greater level of independence in physical, social, professional and leisure activities.



The Project is focused on:

- Respect of the Universal Design paradigm
- Develop devices and furniture that can be used by both able-bodied and disabled and elderly
- Use the automation technologies to allow people with functional limitations to perform the normal household activities

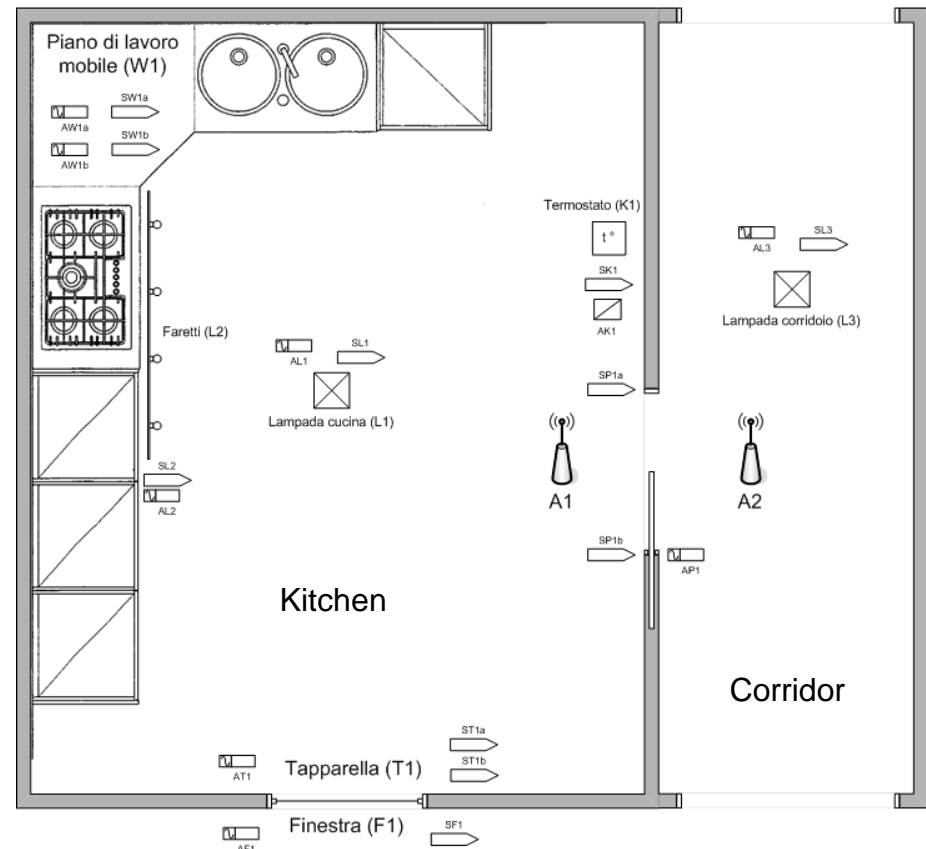
Research, design and development about:

- **Presence detection and recognition of people**
- **Speech Recognition**
- **User interfaces for environmental control**
- **Wireless communication**
- **System control and implementation**
- **Universal Design & Ambient Intelligence**

Obtained achievements

A prototype of the kitchen characterized by:

- *Ergonomic furniture (doors and drawers with reduced or null opening/closing force, adjustable height worktop, motorized hanging baskets, etc.)*
- *Remote automation on door, window, window shutter, worktop, lighting and air conditioning*



Obtained achievements

User's controls

- ***wired buttons***
- ***wireless remote control***
- ***android handheld***
- ***voice commands***

User's position

- ***is detected using RFID technology***
- ***Commands are contextualized to the user's position.***

For example, if you are in the kitchen and you say "light on", the system turns on the light in the kitchen. If you are in the kitchen and want to switch off the light in the bedroom you must say "light off in the bedroom".

Future of the IBADH project

Make the system reliable, affordable and accessible to largest possible number of users, through the achievement of the following objectives:

- Ability to use and integrate the most common types of sensors, actuators and controllers available on the market.
- Standardize and simplify installation and wiring techniques.
- Install the system in the homes of some end users to complete the testing and improve the product to make it reliable and easy to use.

IBADH Technical Testing: the Video Clip



Thank you for the attention

Proietti Planet S.r.l.

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