eHealth modular platforms
Company presentation

Hassisto

Spin off CNR

National Research
Council of Italy

Hassisto is a spinoff of the Italian National Research Council, that develops e-health M-IOT low-cost platforms with the aim to improve the prevention and better care of weak patients with multi chronic diseases using **wireless** devices.
The team is composed by multidisciplinar senior professionals with years of experience

Magliulo M.	Meo P.G.	Orlando A.	Palma G.	Soscia E.
Engineer	Engineer	Economist	Physicist	Doctor
CNR Researcher	Entrepreneur IT	CNR Researcher	CNR Researcher	CNR Researcher
e-Health, data	Platform	Cyber	AI Processing and	Clinic and
security	engineering	insurance,finance	analysis	diagnostics

Hassisto is financed by

POR CAMPANIA
FESR 2014-2020

Unione Europea

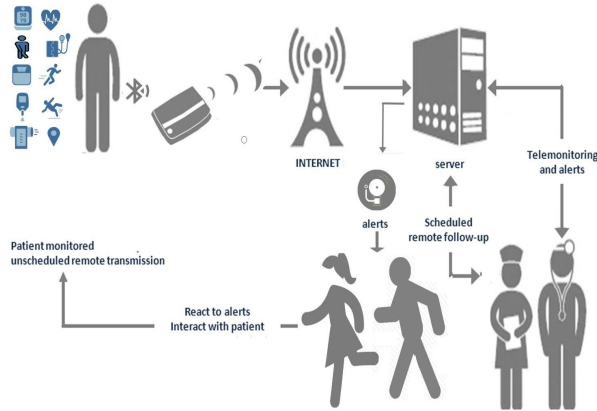REGIONE CAMPANIA

Certified ISO 9001

CERTIFIED
QUALITY
MANAGEMENT
SYSTEM

Hassisto is an "intelligent" system that simplifies the management of patients.
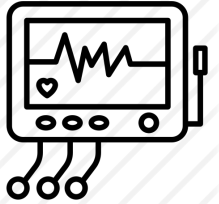
Measurements taken by wireless devices are collected and transmitted to hospital server in a secure way, according to EU privacy rules.

Data collected by the box / smartphone positioned in the home is also retransmitted to other smartphones or smart speakers in the home, alerting the caregivers in case of alarm.

The system "learns" (using Artificial Intelligence algorithms) which are the "normal" conditions and which conditions indicate an inefficace treatment or an ongoing crisis, improving the intervention thresholds day by day
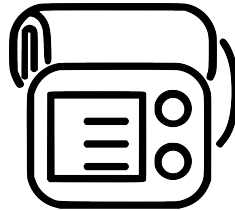
Hassisto

Types of devices

Professional
used by skilled clinical personnel during hospital follow-up or by the mobile team care that periodically visit the patient at home
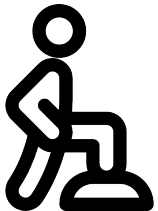
Medical certified
Easy to use devices self used by the patient at home
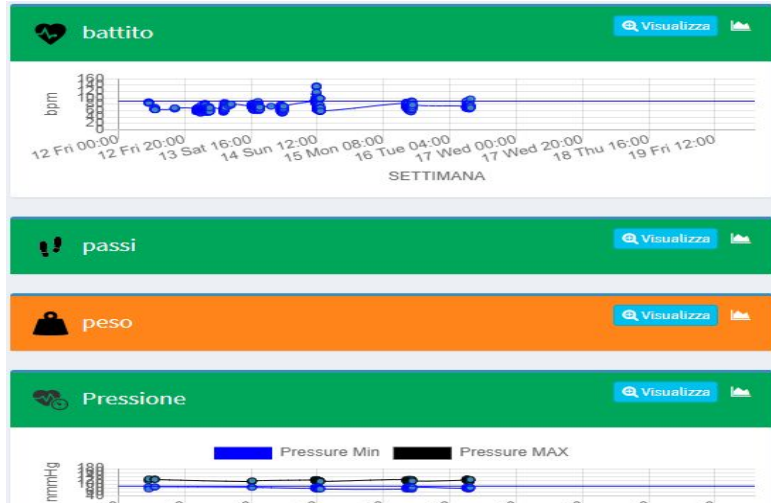
Wearables
Devices that can transmit measures continuously without intervention of the patient. Also if they aren't medical devices can give to the team care useful information 24/7 of the evolution of measurements trend.

Rehabilitation
Smart or digital devices used for rehabilitation, givening a real time feedback of the correct execution of the therapy. *Note: Work in progress interfacing pill dispensers / smart drink cups*
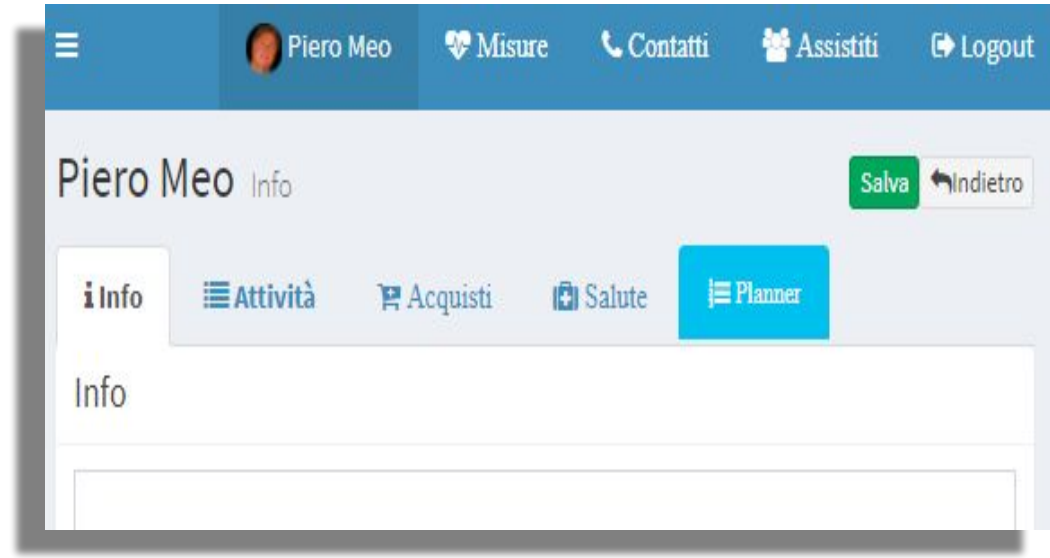
Measurements are reported in a dashboard that allows to immediately have conditions under control. Graphs are also available to view and compare trends

Beyond measurements it records also manually record events such as n# of times that goes to the toilet, appetite, fatigue, giving a complete view of the state.

The platform can schedule the activities and shares the informations for a optimized management between the team care, relatives and home caregivers: eg. treatments ,medicines, what to buy, daily needs..

The system automatically can record the time of entry and exit (virtual badge feature) of the team care and simplifies the preparation of the clinical diary

Platform Architecture

Modular, we developed the platform with the idea to quickly add more features to pre existing thirty parties platforms, no need to dismiss previous investments.

MODULES
- Telemonitoring
- Telemedicine
- Rehabilitation
- Treatments
- Clinical intervention diary
- Activity Planner
- Reminders
- Team care sharable infos

in progress
- pill dispenser/ hydratation
- emergency management

Multilingual, to better involve home foreign caregivers

- StoBene telemonitoring of elderly residences guests (Dibris)
- Telemonitoring oncological patients of regional centre (Policlinico di Napoli)
- Villa Elisa SIR - neuropsychiatric clinic neuro PHARMA testing
- GILEAD - National register of cardiopatic patients with HIV
- ASTRAZENECA: management platform for severe asthma diseases
- INTERCEPT - Epatology management
- CardioHome: post surgery cardiopathic home monitoring
- Gesan - Tracking assets and hospital personnel
- Regione Campania: country platform for asthma diseases BCPO
- Horpheus - Detection of epilepsy crisis, winner PDHA 2020

- Home monitoring customers with healthcare private plans
- Regional home care management for social cooperatives
- Monitoring and rehabilitation of neurological patients

Work in progress