



BROKERAGE FOR HEALTH

September 3-4 2018, Oslo

Digital transformation
in Health and Care



ENGINEERING INGEGNERIA INFORMATICA: POSSIBLE PROPOSAL AND PARTNERSHIP

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Engineering Ingegneria Informatica - Large company - Italy

HEALTH-NCP-NET 2.0 project is funded by the European Commission

Engineering Group



A global player

Business Integration,
Consulting,
Outsourcing,
Products & Solutions



10,300

Professionals



10%

Market share
in Italy



1,000

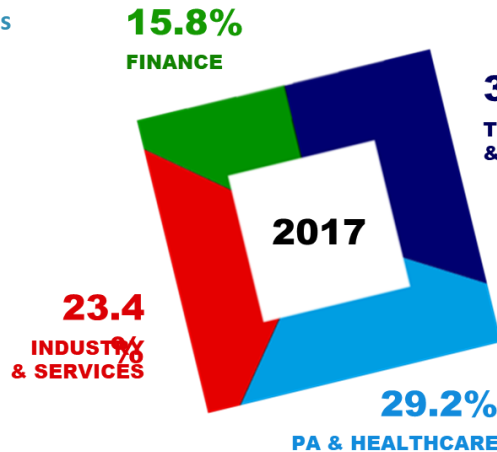
Large accounts
in all markets



1,028.8
mln€

Total revenues

over **50 cities** in Italy and abroad



HEALTHCARE SECTOR HIGHLIGHTS


- 177 customers
- 1100 products installations
- 620 dedicated resources
- 3 software factories
- 70 Mln € of annual revenues
- AREAS proprietary H-ERP

Innovation strategy

**BUSINESS
UNITS**

INNOVATION

RESEARCH

 Founded in **1987**

300 **RESEARCHERS**

6 **LABORATORIES**

70 **LIVE PROJECTS**

 Over 300 research projects, successfully executed

 30M Euro investments in 2017

**IT Systems
for Health**

**Cloud &
Edge
Computing**

**Open Public
Service
Innovation**

**Digital
Content and
Energy**

**Security,
Enterprise,
Logistics**

IT4H: R&I lab

Clinical themes

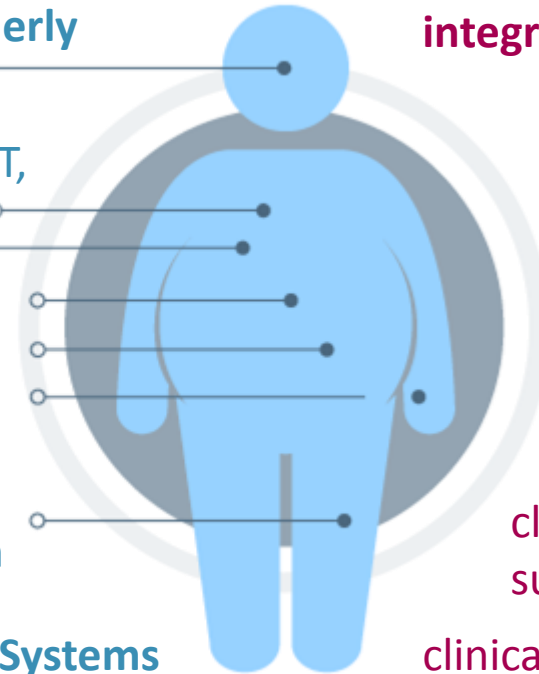
Diseases affecting **elderly** people

Chronic diseases (COPT, T2DM, CVD, cancer)

Degenerative diseases (MCI, Alzheimer, Parkinson, frailty)

Primary, secondary and tertiary **prevention**

Hospital Information Systems



integrated care

continuous remote / home **monitoring**

patient **empowerment**

virtual personalised **coaching**

personalised medicine

clinical **decision** support systems

clinical **pathway** digitalisation

Health Innovation

ICT Innovation

Cloud IoT Big Data UX BPM security&privacy FHIR

Project proposal

Remote unobtrusive monitoring of post breast-cancer patients

A **m-Health system**, integrable with Hospital Information Systems and Digital Clinical Pathways, for the detection of **psycho-physiological data** (e.g. psychological status, lifestyle, stress levels, breast self examinations, results of periodic medical check-ups) of women after breast-cancer treatment.

The system (app + integrable wearables) enable to **unobtrusively**:

- **monitor** adherence and results of the rehabilitation therapy
- **coach** patients with personalized feedbacks and motivational approach
- **manage** rehabilitation through self-empowerment and clinicians' ad hoc interventions

SC1-DTH
01-2019

Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment



Project proposal

Previous project in the area

Engineering realized a prototype of a **double application** for the treatment of female patients with breast cancer:

- Clinicians receive recommendations through a web app (e.g. about diagnostic tests, treatments and follow-up actions) and manage the patient care plan accordingly
- The patient can follow the doctor's advices though a mobile app during the follow-up phase and make it easier for the doctor to get an accurate picture of patient's adherence

The existing partnership



UNIVERSITÀ DEGLI STUDI
DI NAPOLI FEDERICO II



National Research
Council of Italy



ISTITUTO NAZIONALE TUMORI
IRCCS - Fondazione Pascale

Required partners

European Healthcare Providers

SMEs specialized in AI and Gamification

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Topic

Other topics we wish to participate in

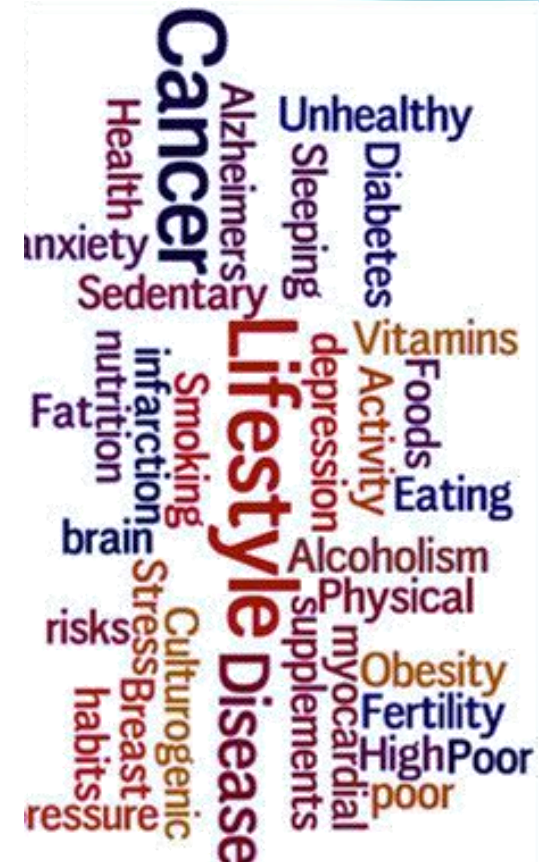
SC1-DTH-11-2019: Large Scale pilots of personalised & outcome based integrated care

SC1-DTH-05-2019: Large scale implementation of digital innovation for health and care in an ageing society

SC1-BHC-22-2019: Mental health in the workplace

SC1-BHC-25-2019: Demonstration pilots for implementation of personalised medicine in healthcare

DT-TDS-01-2019: Smart and healthy living at home





Previous/ongoing projects in the areas

National and EU e-health projects, as partner and coordinator



CHRONICITY

TAS Ecosystem consisting of protocols, sensors and technologies to monitor citizens in the three prevention stages (primary, secondary and tertiary)

PATHWAY to realize an ICT solution empowering patients in Cardiac Rehabilitation

DMCoach app-suite for personalized coaching on healthy lifestyle of citizens at risk/with T2DM



DEGENERATIVE

MAGIC to develop new innovative ICT solution that improve physical and cognitive functions and, then, personal independence, within the first six month following the onset of the stroke



PUBLIC HEALTH POLICY

CrowdHealth to integrate high volumes health-related heterogeneous data from multiple sources with the aim of supporting policy making decisions

[Click here for other projects](#)



Contact details

Thank you!

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