FROM RESEARCH TO PRODUCTS: AN INDUSTRIAL PERSPECTIVE
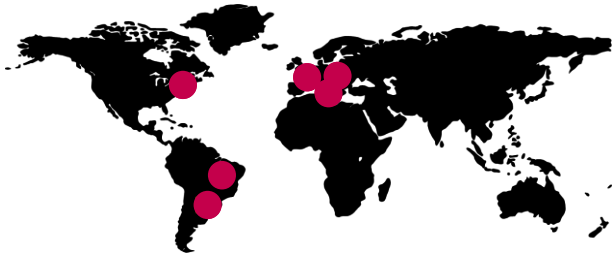
Matteo Melideo

Research & Innovation Division
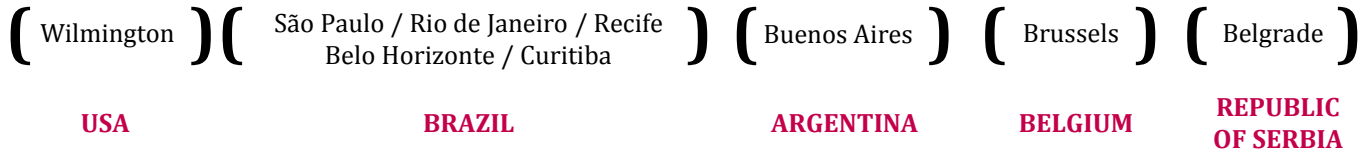
Head of IT Systems for Health

31 branches in **ITALY**

A global player

Business integration
Consulting
Outsourcing
Products and solutions

(Wilmington) (São Paulo / Rio de Janeiro / Recife
Belo Horizonte / Curitiba) (Buenos Aires) (Brussels) (Belgrade)

USA **BRAZIL** **ARGENTINA** **BELGIUM** **REPUBLIC OF SERBIA**

about **7,300** Professionals

1,000 Large accounts

7.2% Market share in Italy

822.8 mn**€** Operating revenues

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ENGINEERING

Since 20 years Engineering is the IT partner for the Italian e-Health.

Present in about **60%** of Public Hospitals

- **176** customers all over Italy

- More than **1,000** active product installations

- **3** software factories and more than **500** dedicated resources

- **70,5** M€ of revenues

- **H-ERP platform AREA®**

- **16** healthcare offices in different regions

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ENGINEERING

The contribution to the Italian e-Health: facts and figures

Annual volumes

- **45 millions** of visits scheduled
- **50 millions** of laboratory tests managed
- **3.5 millions** of emergency accesses supported
- **3 millions** of paychecks calculated (about 40% in public healthcare)

Technological partner of the most relevant regional projects

- **5** electronic health record
- **5** emergency networks
- **3** health regional registries
- A complete regional information system

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6

- R&D established in 1987

[…]

*A stilare le classifiche dei **campioni della ricerca UE** è un documento di Bruxelles che passa in rassegna i progetti finanziati dall'Unione Europea nel periodo 2007-2012.*
*Nella classifica delle **50 imprese più attive nei bandi europei** emergono le performance di **Engineering - ingegneria informatica (25° posto**), Alenia Aermacchi (27°) e la Selex sistemi integrati (47° posto).*

[…]

Il Sole 24 ORE   Oct 23rd ,2013

70

- >30   R&D, in 2013

ENGINEERING

R&D / AREAS and LABS

More than **20** researchers fully dedicated

Lecce, Napoli, Palermo, Roma

9 research projects currently running

_____ overall project budget

SECURITY, ENTERPRISE, LOGISTICS	
TRANSPORT, LOGISTICS, INFRASTRUCTURES	SMART and COLLABORATIVE ENTERPRISES
DIGITAL SECURITY, SECURITY INTELLIGENCE	BORDER SECURITY

DIGITAL CONTENT, ENERGY	
CONTENT, DATA and THINGS	ENERGY and GREEN-IT
DIGITAL MEDIA and CREATIVITY	CULTURE and TOURISM

OPEN PUBLIC SERVICE INNOVATION	
PUBLIC SECTOR INNOVATION	OPEN GOVERNMENT
OPEN SERVICE INNOVATION	

TECHNOLOGICAL RESEARCH	
IT SYSTEMS FOR E-HEALTH	CLOUD COMPUTING
SOCIO-TECHNICAL SYSTEMS	

ENGINEERING

Health Innovation

Integrated care

Patient empowerment

Continuous and remote monitoring

Personalized care

Wellness and prevention

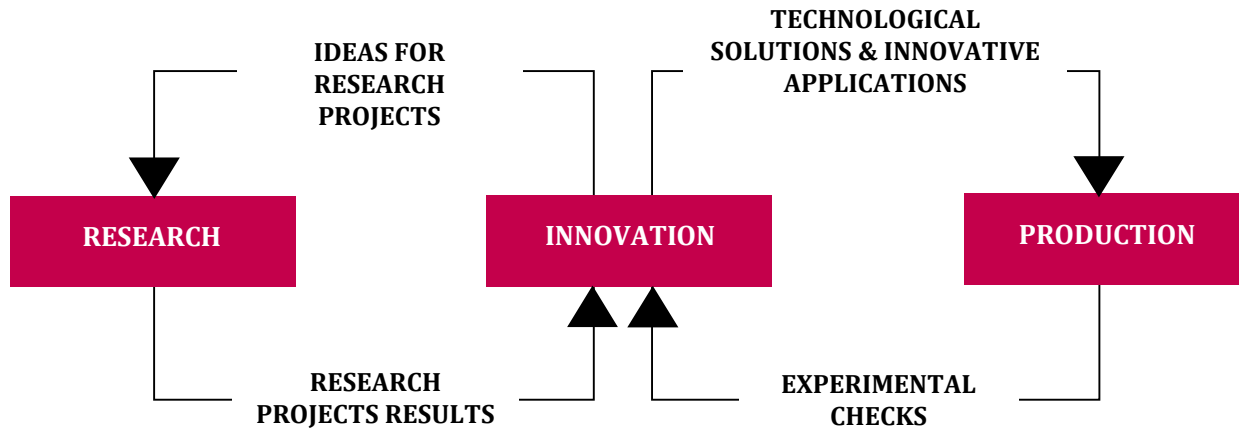## ICT Innovation

Mobile & IoT (env. and personal)

Cloud

Privacy & Security

User experience

BPM

Social collaboration

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INNOVATION / HOW

```
                              TECHNOLOGICAL
          IDEAS FOR      SOLUTIONS & INNOVATIVE
          RESEARCH            APPLICATIONS
          PROJECTS

   ┌────▼────┐          ┌────▼──▼────┐          ┌────▼────┐
   │ RESEARCH │          │ INNOVATION │          │PRODUCTION│
   └─────────┘          └────▲──▲────┘          └─────────┘

          RESEARCH             EXPERIMENTAL
       PROJECTS RESULTS          CHECKS
```
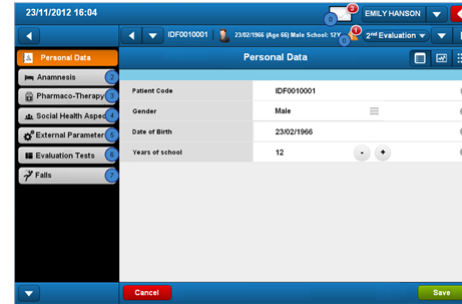
... **interdisciplinary** teams and **complementary** competencies

... and the ability to find **innovative solutions** and the new **bottom-up "demands"**

ENGINEERING

Objective: to assemble and pilot integrated <u>fall prevention, detection</u> and <u>management</u> ICT-based services able to be <u>flexibly configured</u> and <u>personalized</u> to the needs and risk factors of different target groups of elderly people

DOC@HOME®

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Randomised Clinical Trial on ˜**500** Users in **7** Pilot sites in **4** European countries at home, clinical care centers and hospitals

ENGINEERING

Objective: Develop a prototype that enables citizens to use
- o e-health/lifestyle services in mobility,
- o access to the National Health Services,
- o register and share data

Relevant emphasis on **Privacy and Security** on mHealth

Single Sign-On for desktop/mobile with weak/strong authentication

Fine grained **authorization** control

Privacy services compliant with Italian privacy laws

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Thank you!

Matteo Melideo, PMP
Direzione Ricerca&Innovazione
matteo.melideo@eng.it

Engineering Ingegneria Informatica spa
Via R. Morandi, 32 - 00148 Roma
Tel. +39-06.83074045
Mob. +39-335.5728374
www.eng.it