

CETIC

Centre of Excellence in Information and Communication Technologies

Agenda

- About CETIC
- Expertise
- Application domains
- Services
- R&D

About CETIC






Accredited Research Centre

- Non-profit organisation
- Significant self-funding
 - Max 50% of direct funding by Regional authorities
 - Only for R&D projects
- A majority of Industry members in the board
- Focused on a specific industry (ICT)
 - In line with the needs of the regional actors
- Dissemination of research results

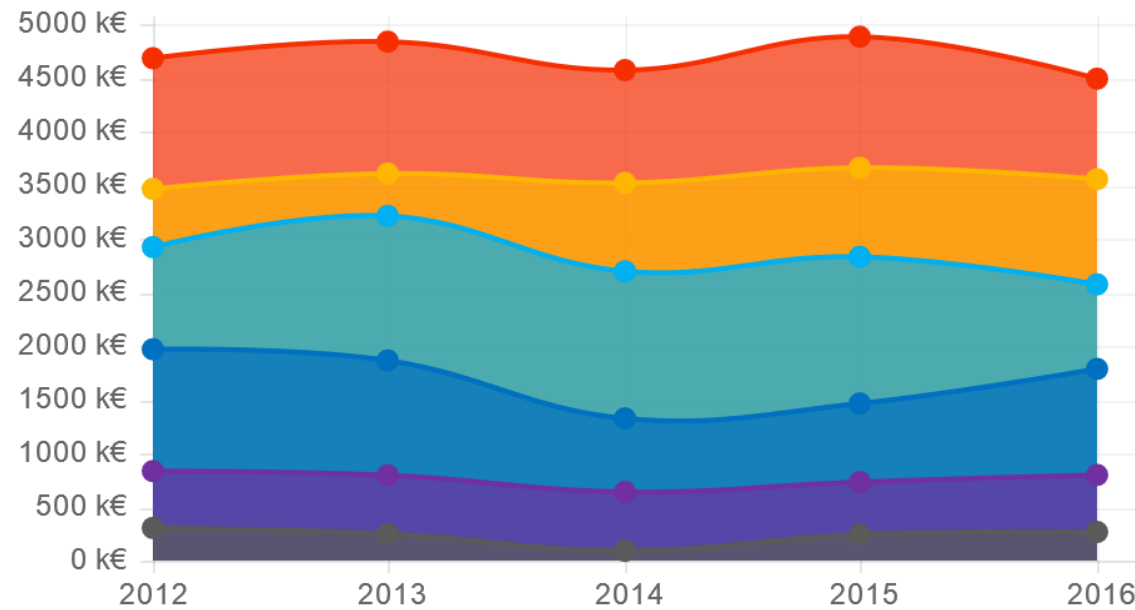


History

- Founded in 2001 by 3 universities
- Located on the **Aeropole in Charleroi** 
- Support from European Regional Development Fund (ERDF)
- Accreditation: Applied Research Centre by the Walloon authorities
- International Development – European Research Area



SOURCES OF REVENUE



2016:

Revenus : 4.490 k€

- 21% Technology transfer
- 22% European framework programs
- 18% Wallonia
- 22% ERDF
- 12% Fédéral
- 6% Other

Composition - Human Resources

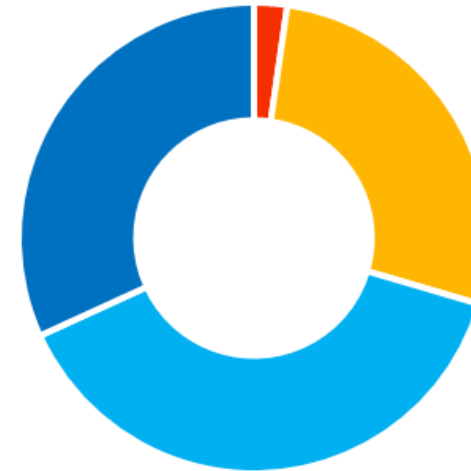
Education



44 people

6 Bachelor
27 Master/ Engineers
12 PhD

AGE



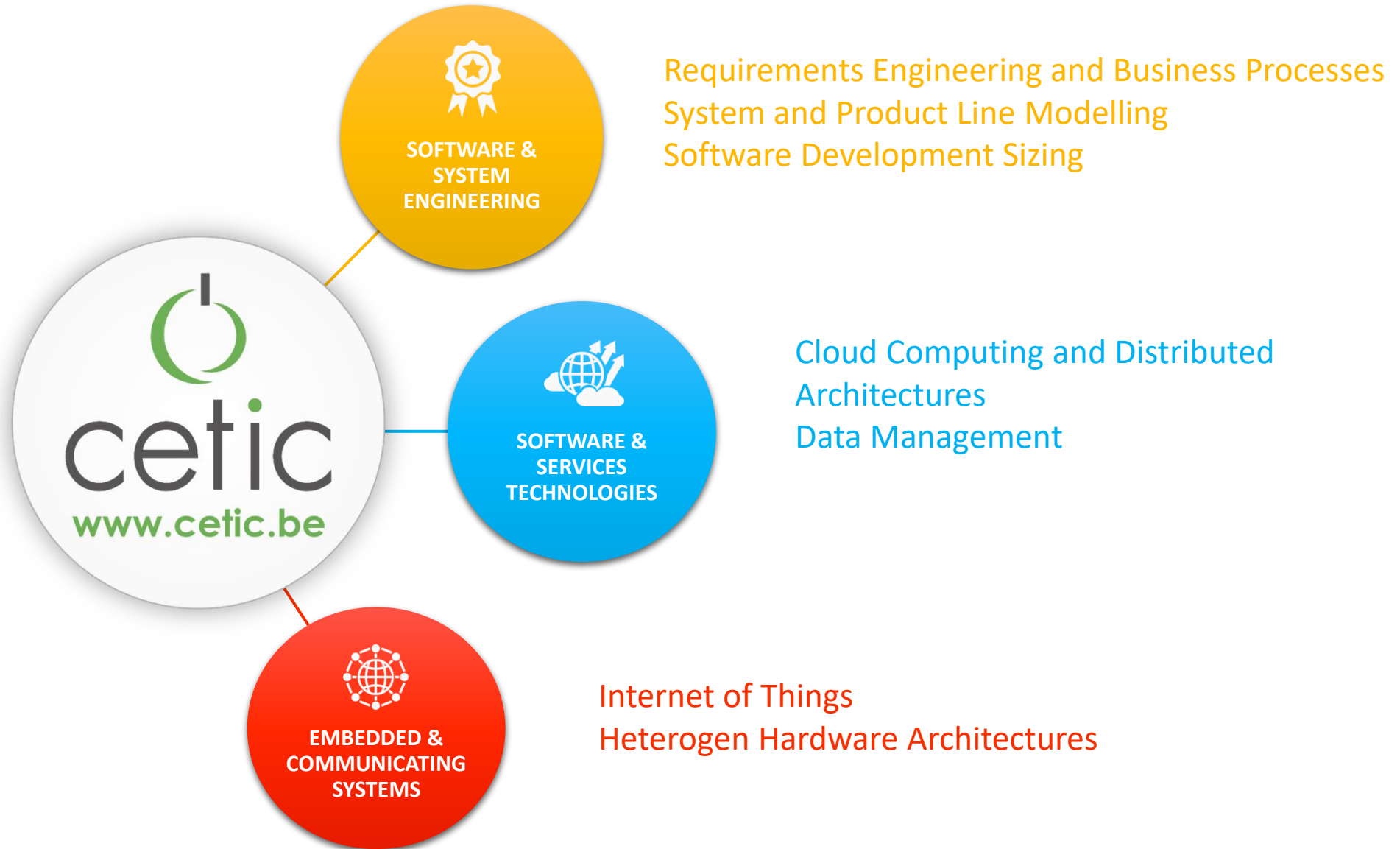
44 people

1: < 25
12: 25 - 34
17: 35 - 44
14: 45 - 54
0: >= 55

Composition - Board of Administrators

 <p>Chiveo From facts to decision</p>	 <p>COMPUTERLAND YOUR IT PARTNER</p>	 <p>DGO 6</p>	 <p>cBlue IT Solutions</p>	 <p>haulogy The IT Integration Company</p>
 <p>NSI IT Software & Services</p>	 <p>BIZZ DEV</p>	 <p>océ</p>	 <p>NRB DARING TO COMMIT</p>	 <p>Microsoft</p>
 <p>UMONS Université de Mons</p>	 <p>UNIVERSITÉ DE NAMUR</p>	 <p>UCL Université catholique de Louvain</p>	 <p>IGRETEC</p>	

Expertise / Application domains





Assist companies in designing high-quality products and services

in terms of reliability, security, maintainability and other important properties in the fields of application

in accordance with international standards

by providing them with methodological support The entire life cycle

Software & System Engineering

- Software Engineering and Modeling
 - Requirements Engineering and Business Processes
 - System and Product Line Modelling
 - Software Development Sizing
- Software Design and Optimisation
 - Safety and reliability
 - Computer Security and Trust
 - Software Design and Optimisation
 - Software Design and Optimisation
- Software Development Lifecycle
 - Process Quality
 - Software Code Quality
 - Usability





Help companies exploit emerging technologies to design distributed systems

based on new IT architectures capable of adapting to the load

leveraging automation technologies for managing IT environments

applying management methods and tools of data

Future Internet

- Cloud Computing and Distributed Architectures
 - Cloud Infrastructure Management
 - Distributed systems
 - Programmable Web
- Data Management
 - Big Data Storage
 - Big Data Programming Frameworks
- Open Innovation
 - Open Source
 - Open data
 - Digital and co-creation (Cf Living Labs & Creative Hub)





Helping companies leverage emerging technologies to design embedded systems

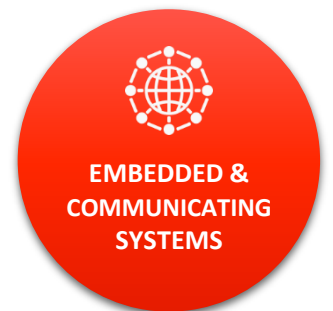
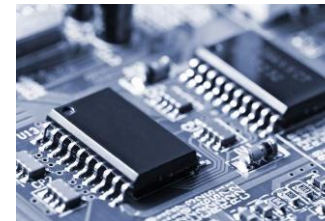
with more built-in intelligence

by establishing connectivity that is optimized to the context of use

by leveraging the capabilities of complex hardware architectures when designing smart objects

Internet of Things

- Internet of Things
 - Objets intelligents
 - Réseaux
- Heterogen Hardware Architectures
 - Advanced architectures
 - Hardware Design
 - Programmable Logic



Application domains



Software

METHODS, LANGUAGES,
GENERIC TECHNOLOGIES,
SOFTWARE
COMPONENTS...



Manufacturing



Healthcare

ICT

OTHER SECTOR-SPECIFIC
ICT INNOVATIONS



Transport & Logistics



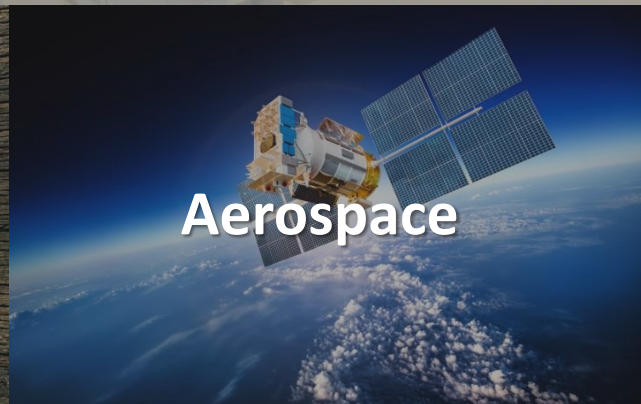
Media



Telecommunications



Energy



Aerospace

Working with CETIC

How to work with CETIC

Research project

- Collaborative
- Mid term
- Technological risk
- Subsidy (partial)
- Shared intellectual property



Service

- Custom
- Short term
- Innovation / strategic need
- Paid by the company
- Intellectual property transferred

- TECHNOLOGICAL GUIDANCE
- SUPPORT TO INNOVATION PROCESS
- TECHNICAL AUDITS



Services

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TECHNOLOGY TRANSFER

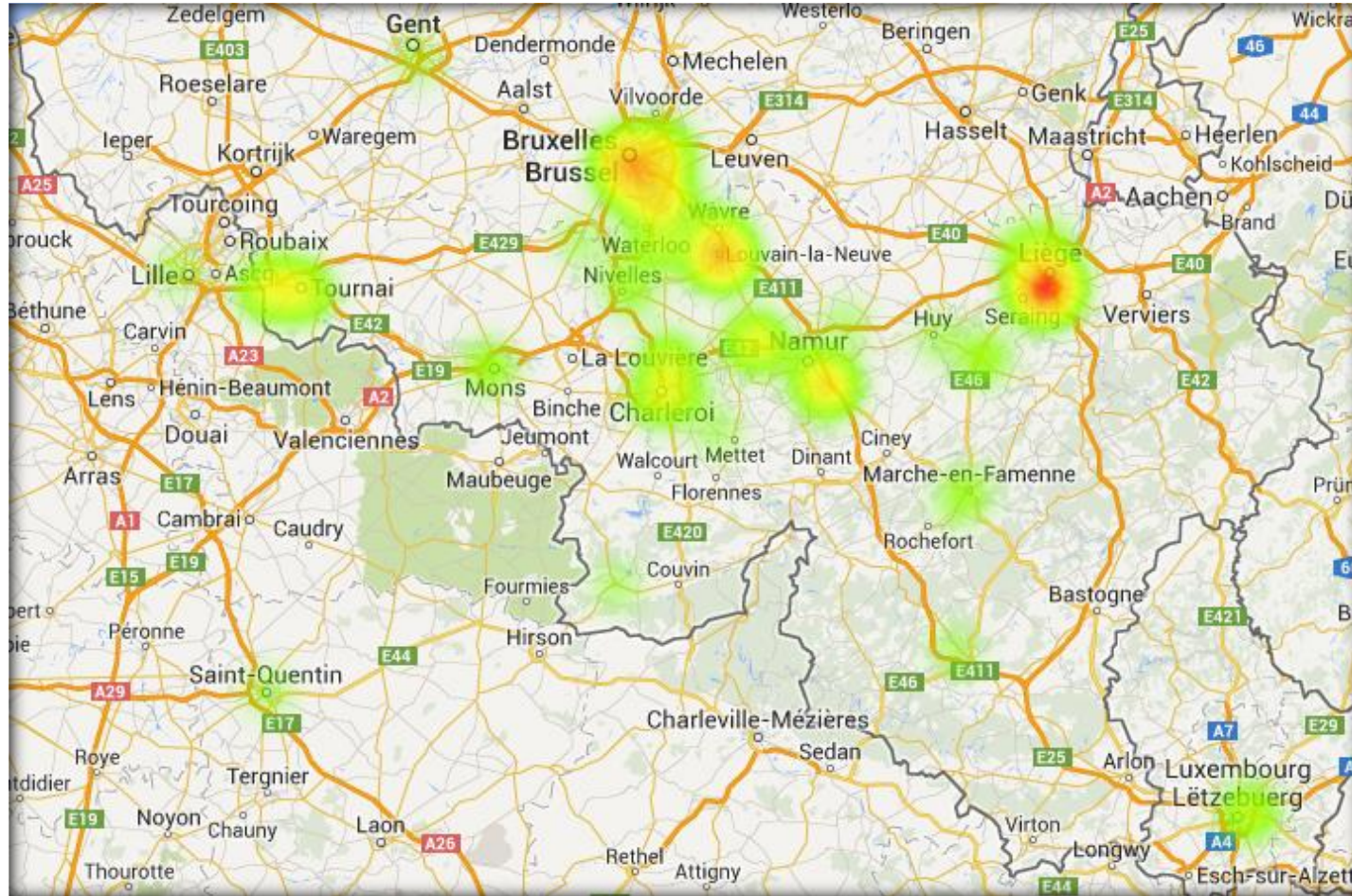


Volume of activity:

- 69% SME
- 26% GE
- 6% Public / Non-profit

Companies working with CETIC



Services aux entreprises

R&D

Key Figures – R&D Projects

PARTNERSHIPS



119 partnerships,
With 103 different entities:

21 Wallonia/Business
19 Wallonia/Research
11 Wallonia/Other
25 Europe/Business
36 Europe/Research
6 Europe/Other

Key Figures – R&D Projects

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SOURCE OF FUNDING



24 R&D projects :

- 4 Structural funds in Wallonia
- 5 Competitiveness clusters
- 4 Walloon programs
- 2 International programs
- 8 European Framework Programs
- 1 Other

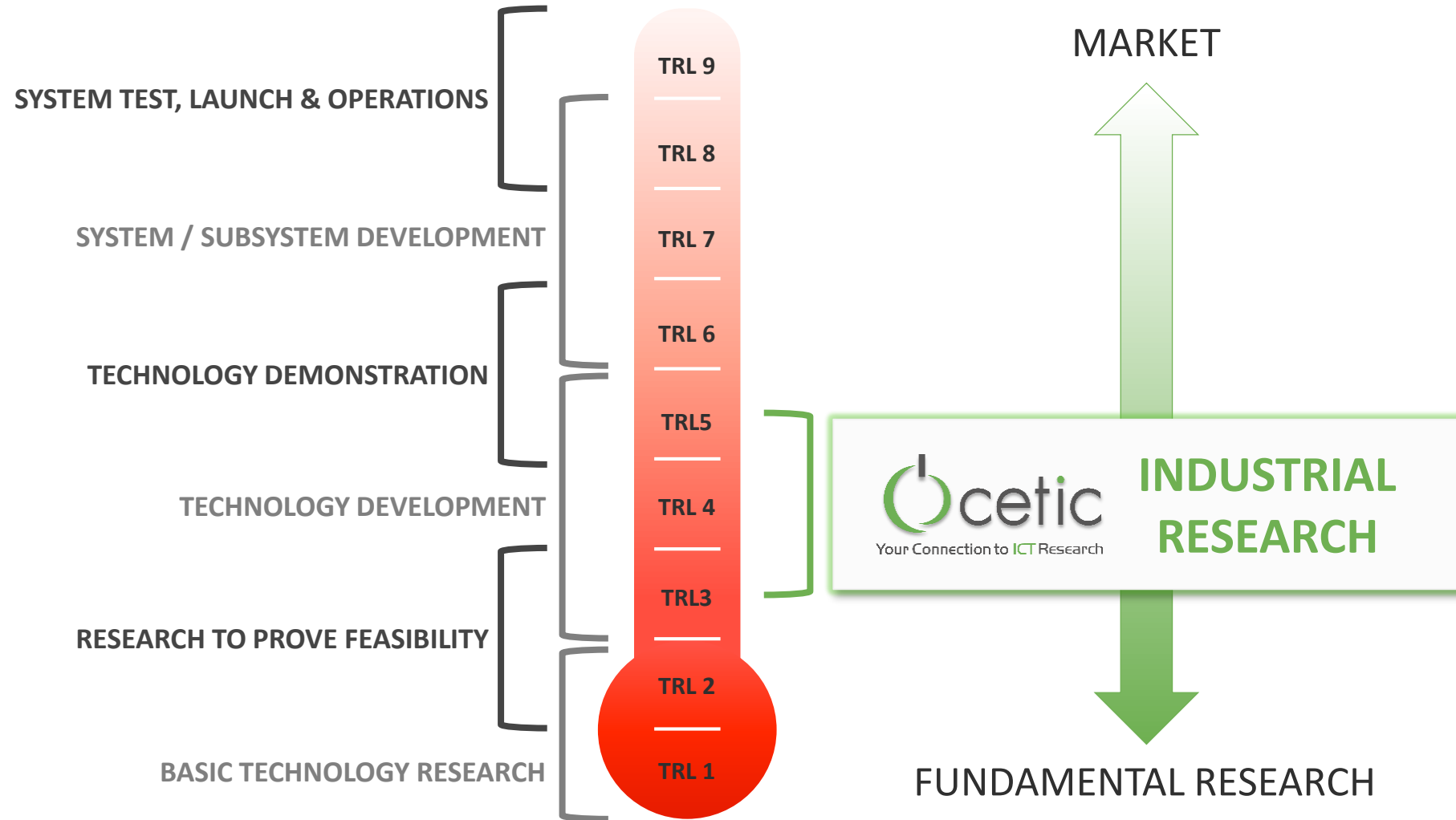
APPLICATION DOMAIN



24 R&D projects :

- 10 Software industry
- 3 Transport & logistics
- 3 Health
- 2 Manufacturing
- 3 Energy
- 3 Digital and co-creation

Technology Readiness Level



Involvement in European programmes



H2020

BEACON *

TANGO



FP7

PaaSage

POLCA

Evidence

Redirnet

Ascetic

Bonfire

RESERVOIR

Deploy-IP

PONTE *

S-Cube



Other EU projects

Numericanal (Interreg)

NWERide (Interreg)

I2MSTEEL (RFCS)

ComodIT (Era-Net)

SPES (Central Europe)

AMACS (Era-Net)

Dapcare (Era-Net)

Extra (Cornet)

C2A (Interreg)



FP6

Oldes

BEinGRID

CoreGRID

EverGrow

QualOSS *

GridTrust *

AssessGrid

HPC4U

* Coordinator





Your Connection to ICT Research

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Going further...

