# CETIC - Transfer of ICT Expertise from EU Projects to Industry

**CETIC is the Belgian ICT applied research centre dedicated to support industry.**

Based in Charleroi, CETIC was created in 2001 through the initiative of three Belgian universities — the Facultés Universitaires Notre-Dame de la Paix de Namur (FUNDP), the Université catholique de Louvain (UCL) and the Faculté Polytechnique at the Université de Mons (FPMs). Through its ongoing relationships with university teams, CETIC remains permanently updated on current and emerging scientific progress in Belgium, Europe and the World.
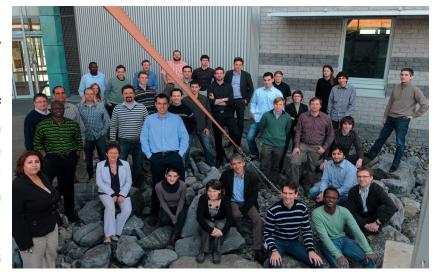
CETIC provides expertise in software engineering, innovative service based on service oriented technologies, Cloud and embedded systems.

**Your Connection to ICT Research**

- **Software and System Engineering** provides methodological support to help companies develop high-quality IT products and services, ensuring reliability, safety, security, and compliance with international standards.

- **Software and Services Technologies** provides businesses with strong technological expertise to help them implement distributed, service-oriented and dynamic computing architectures. Through the use of semantic technologies and by exploiting the real business opportunities of open source software, this department helps accelerate the transformation of information into knowledge.



- **Embedded and Communication Systems** helps companies prototype innovative embedded systems. This department focuses primarily on embedded software for intelligent wireless systems for a wide range of applications, ranging from road transport to eHealth, consumer electronics, home automation, etc.

This expertise has been gained through CETIC's active involvement in European projects from the FP6 and FP7 for Research and Technological Developments as well as in key regional research projects, such as the Marshall Plan for the economic development of the Walloon Region.

Investing in leading sectors such as eHealth, Cloud Computing, Security and Open Source among others, CETIC develops partnerships with technological leaders and European industries and speeds up the technological transfer to local Belgian businesses.

In addition to the partnership in collective R&D projects, CETIC supports businesses in their innovation initiatives, improved products, processes or services, and in particular provides technological and methodological advice, development of prototypes or feasibility studies.

CETIC experts' work stimulates research, providing IT support to local businesses, enabling them to adopt advanced technologies, innovate faster, save money and time, meet new needs, so as to strengthen EU's competitiveness and leadership.

eHealth is key for CETIC. Today the Health sector needs to meet the challenges related to the population's overall ageing to offer the best-quality care. Technological home-based systems developed at CETIC offer one means of tackling this problem. The OLDES FP6 project CETIC is part of demonstrates that the use of new home technologies helps reducing older people's isolation. The transfer of expertise in eHealth solutions between OLDES and the regional project "eHealth for Citizens" CETIC is leading, shows the importance of bringing technological solutions to assist homecare and to monitor diseases from home.

CETIC also develops its semantic expertise in the PONTE project addressing the Health sector and clinical trials innovation more specifically.

The research driven in the BEinGRID FP6 project highlights how Cloud technologies can be applied to many sectors (including Health with the use of Cloud technologies to help cure cancer), resulting in important cost and time savings for businesses. Even more forward looking, CETIC wants to proof the advantages of building its own public/private Cloud infrastructure based on the RESERVOIR project's developments.

RESERVOIR is a major FP7 project CETIC has been working on with other international partners such as IBM, SAP, Telfónica, etc., sharing its expertise mainly in Security.

Security is actually one of the main issues ICT must address and for all sectors. The GridTrust FP6 project also illustrates the technologies developed by CETIC to manage Trust and Security for the Next Generation Grids and Clouds. The results of the GridTrust project are actually exploited through the RESERVOIR project.

Expert in Open Source as well, CETIC has coordinated the QualOSS FP6 project with international partners, involving a Belgian university and a Walloon SME. The methods and software tools developed in QualOSS help evaluate the risk for businesses to use Open Source components.

Now taking part in EU projects has been a great opportunity for CETIC to collaborate with either very large or small companies as well as well-known universities. Sharing expertise and findings with international partners is a clear technological benefit for the local companies CETIC is providing IT support to.

Visit **www.cetic.be**

**For more information, please contact CETIC (communication@cetic.be)**