

WHO WE ARE:

CUBIT is a consortium formed by the Department of Information Engineering of the University of Pisa, Polo Tecnologico di Navacchio and other strongly innovative companies which have a **pluriannual experience in telecommunications.**

CUBIT built a **public-private laboratory** inside the Polo Tecnologico, in Navacchio. The lab is equipped for design, simulation, implementation and testing of devices as well as infrastructures for mobile communication networks of new generation (Ubiquitous Technologies).

The CUBIT team offers consultancy and complete development of complex solutions in telecommunication in a cross-layer perspective (from physical layer to application layer), with a very high level of quality in results.

COLLABORATION INTERESTS:

CUBIT is interested in participating in projects under EU FP7 ICT projects as well as other international cooperation in our research area.

Our possible role: partner, requirement analysis; integration; demonstration / testing / end user; project manager; scientific coordinator.

AREAS FOR R&D COLLABORATION:

The Consortium works for:

- improving the value of experiences, competencies, and marketability of the partner companies
- creating prototypes of devices and components for new generation telecommunications, with particular emphasis on radio technology and electromagnetic compatibility
- performing tests, measurements and quality brands for new generation telecommunication and sensor networks
- organizing consulting activity on thematic concerning the development of telecommunications
- promoting professional-oriented learning paths, aimed at the creation of technical-managerial profiles.

MAIN ACHIEVEMENTS:

Currently the Consortium is developing of the projects for the realization of:

- Black Box RFID, for info mobility applications
- Femtocells, for Wi-MAX applications

Some of the projects of CUBIT focus on the application of the ICT research to solutions for the mobility.

Competencies and technologies that characterize CUBIT are:

- Broadband Wireless Access (standard 802.11x, 802.16-Rev.2004, 802.16e, 802.20),
- Cellular 4G systems (LTE - Long Term Evolution, Next Generation Mobile),
- Wireless Sensor Networks, UWB (Ultra Wide Band) Systems, radiofrequency, microwaves and millimeter waves technologies.

OTHER INFORMATION:

Name of the company: Consorzio Cubit - Consortium Ubiquitous Technologies

Legal structure: Consortium

Country: Italy

Number of researchers: 50

Number of employees in total: 80

Working languages: Italian

Contact person: Ing. Marco Magnarosa

Position: Managing Director

Email:

marco.magnarosa@cubitlab.com

Tel: +39 050 754372

Web site: www.cubitlab.com

WHAT MAKES US A GOOD PARTNER

- **Well-qualified workforce.** All our researchers have PhD degrees and specialization.
- **Strong network** of well known international university experts and strongly innovative companies.

The Polo Tecnologico di Navacchio realizes services qualified for technological development and support and assistance to the small and middle enterprises across a model of integrated share of enterprises, university, experts of the economic world and of the management of enterprise, experts of the world of the finance, experts of technology of the communication and of the information.

The Polo promote the qualification and the valorisation on the market of the enterprises in complementary form.