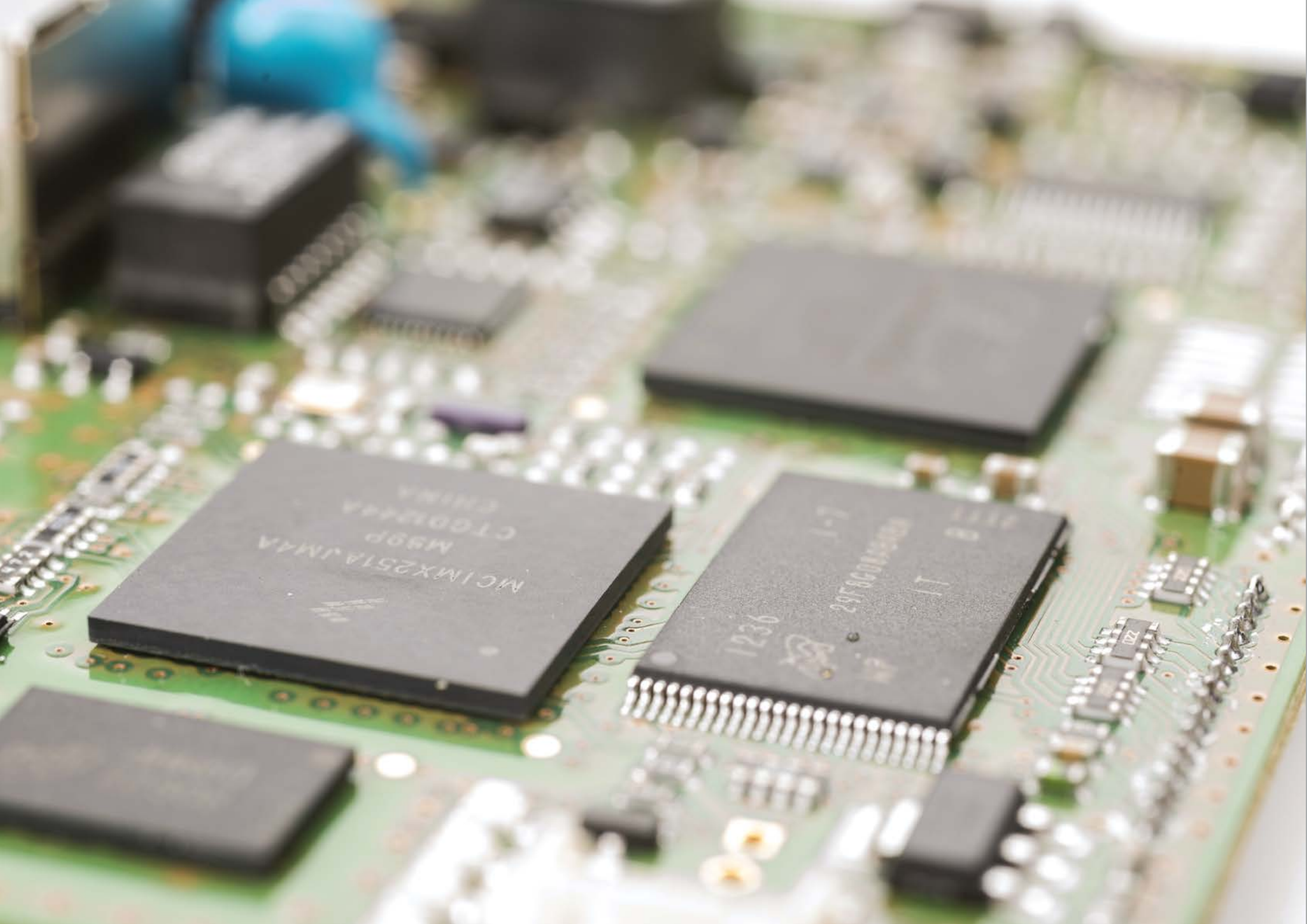




Innovation  
driven  
experience



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WE ARE KNOWN IN THE  
INDUSTRIAL SECTOR  
FOR THE DESIGN OF  
THE MOST SPREAD  
HIGHWAY TOLLING  
COLLECTION  
SYSTEM IN ITALY.

SINCE THEN, WE HAVE  
KEPT ON DESIGNING  
AND INSTALLING  
SYSTEMS IN THE SAME  
BUSINESS SECTOR.

# ABOUT US

This substantial experience has led us to gain thorough knowledge of all aspects involved in tolling collection systems. Moreover, we are also known for the long cooperation with prestigious car companies for the making of diagnosis systems.

Despite its recent establishment, Infomobility S.r.l. has a Research & Development core department with more than twenty years' experience in electronic, mechanic and mechatronic devices.

Always committed to innovation, quality and reliability, we are present in the market as support to our partners to contribute synergistically to the development of successful technologic solutions: our engineers and information technology experts follow step by step all the phases of the products design [hardware, software and radiofrequency]; they implement the most advanced and modern technologies in order to offer our partners tailored solutions and guarantee sound and accurate quality control.



Our Human Resources possess extremely diversified and high standard skills, with specific competences ranging from radiofrequency, real time and analogical electronics, FPGA components, automatic controls; firmware apt at customizing the operative systems of the several designed platforms; analysis and real time designing and the development of management software packages  
Thanks to Our Research & Development core department, Infomobility designs in the following areas:

## AUTOMOTIVE/ AGRICULTURE VEHICLES

- Actuators
- Automatic control and management electronics
- Diagnosis (tester)
- Nets (CAN, ISOBUS, etc.)
- Fleet tracing
- Hardware for satellite localization
- Sensor interface

## INFOMOBILITY

- Tolling collection systems compliant with the European Standard (TC278)
- Tolling collection systems compliant with Standard UNI 10607
- Radiofrequency devices
- Access control systems
- Control and management devices
- Management and application software

With our competence, we can develop software and firmware in the following environments and languages:

## DEVELOPMENT LANGUAGES

- C, C++, C#
- HTML, Java
- Javascript
- Visual Basic
- Visual Basic .Net
- Visual Basic for application
- Pascal/Delphi
- VHDL
- Verilog, System\_C
- Assembler
- Assembler X86
- Assembler ARM
- Assembler F2MC
- PHP
- Python
- Perl
- ASP.Net
- SQL
- MySql
- jQuery
- OpenCL
- CUDA
- CAPL

## DEVELOPMENT ENVIRONMENTS

- Tornado (VxWorks)
- QT Creator
- Eclipse
- Visual Studio
- Android Studio
- Android SDK
- Code Bloks
- uVision (Keil)
- Softune
- Kdevelop
- Cygwin



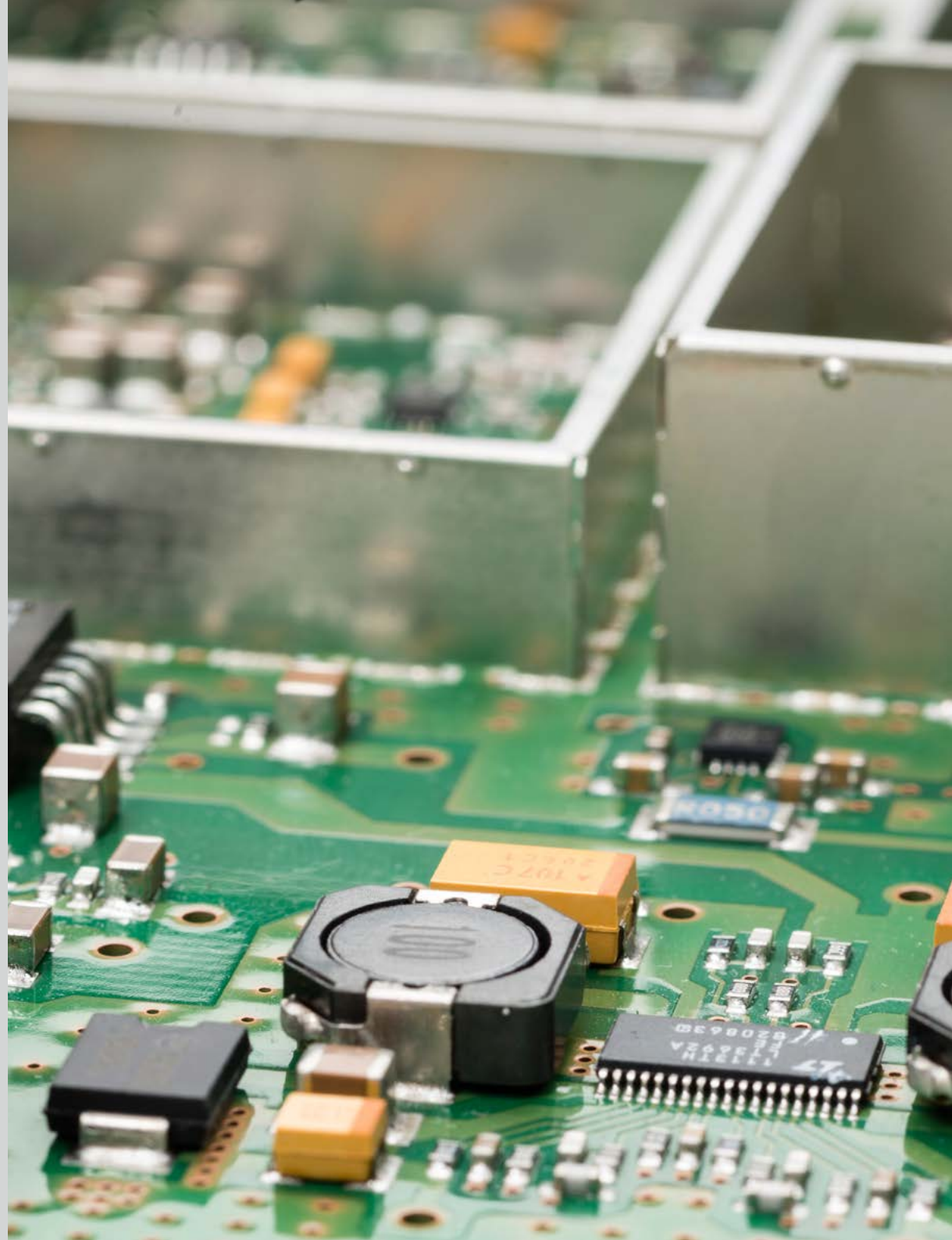


# OUR PRODUCTS

In the automotive area, our range of products covers data management boards, wireless interfaces for diagnosis systems, wireless transducers, couples of transmitters/receivers with related systems, vehicles control units (cars and tractors), telemeter systems and high frequency antennas.

In the infomobility area, we are experts in designing tolling collection systems for single lane and free flow highways, developing real time software on standard and embedded platforms. Our experience has led us to become important suppliers of Intelligent Transportation Systems (ITS), Electronic Toll Collection (ETC), Enforcement and Traffic Telematic Solutions.

Our partners portfolio lists companies which provide systems integration and building of innovative technological systems for their customers: therefore they incorporate our innovations into their technologies so as to keep up with the times when entering the market with us. This is the reason why our technologies are present wherever our partners chose to export and implement them.





## OUR SERVICES

Among other services, we provide our partners with expert assistance during products certification and qualification at accredited institutions and laboratories, during products installation onsite; with maintenance and remote assistance and for the constant evolution adjustments of the products.

Do our partners' needs evolve? Do products requirements change? We do evolve and change with them, thanks to the dynamic and flexible skills of our engineers.

## OUR PARTNERS

Among the partners who have chosen our know-how we are proud to name Autostrade per l'Italia S.p.A., Autostrade Tech S.p.A., Autostrade del Brennero S.p.A., SINELEC S.p.A., Ferrari S.p.A., Maserati S.p.A., Magneti Marelli S.p.A., VM Motori S.p.A., SAME Detutz-Fahr Deutschland GmbH, Thales Communications & Security SAS and Topcon Positioning System Inc. .

Knowledge, high standards and experience constitute our identity. These are our partners' values, hence ours. We devote our energies to meet our partners' needs, desires and expectations.

The market is driven by fast-paced technological evolution. Day by day, we commit to increase our products and systems efficiency, precision and robustness with the goal of progressing constantly and steadily, towards excellence.





# HISTORY

## INFOMOBILITY 2005

Funded in 2005 by the name of Destura S.r.l., Infomobility S.r.l. designs and develops hardware, software and radiofrequency components to be integrated in the manufacturing of electrical, electronic, mechanic and mechatronic devices at high technological value. Manufacturing lead time is precious to us as well as the precise control of both design and manufacturing costs.

Our headquarter has always been in Concordia sulla Secchia, in the province of Modena. This is a strategic location in the industrial line connecting Modena to Bologna, also known as the Motor Valley. This area gathers one among the highest percentages –on a national level- of operators of the automotive and automation sectors as well as of the advanced mechanic and mechatronic sectors.

Since our constitution in 2005, we entered the market as technological partner capable of molding our competences and skills in compliance with our customers' requirements. We customize our design projects accordingly to our customers' specific needs. We supply them all the parameters and the key information to manufacture devices, or alternatively, to assemble and control the end product by cooperating with strong and qualified external suppliers. During the early stages, Infomobility S.r.l. did not focus on the creation of proprietary products to be introduced into the market autonomously.



## INFOMOBILITY 2009

By Mid-2009 Topcon Positioning System Inc.(TPS), one amongst our most influential customers, acquires a significant share of Our company, still named Destura S.r.l. at the time, after having experienced directly our strong innovative quality.

Jointly with the company quote of shares, TPS also acquires a vast agricultural area in Concordia sulla Secchia at some kilometers distance from our headquarter. The site has an operational department and will be used by TPS as training and test facility for the whole European territory: the test field comes to life.



## INFOMOBILITY 2009-2010

The years 2009-2010 witnessed a strong market request in the infomobility sector, more precisely in the analysis and management of the data connected to vehicles traffic, with consequent increase of the demand of these products and services, in the Italian market and even more in the foreign one. This favorable trend was confirmed by important supply purchase orders and led us to results showing a possible excellent turning point in our company mission: as a matter of fact our turnover in 2011 registered a 53% increase with respect to the two previous years.

## INFOMOBILITY 2011

And 2011 is the year when the turning point takes place in the strategy, development and mission of Our company.

Thanks to the remarkable results obtained in the infomobility department and to the consolidation of the results of Our automotive department, the company changes its denomination from Destura to Infomobility and agrees to enter the international market as "TOPCON INFOMOBILITY".

Topcon Positioning System Inc increases its social capital share in Infomobility as further proof of the support and endorsement of this strategic choice. In addition to this, TPS chooses to add in Our Board of Directors some high level profiles among its management.

## INFOMOBILITY 2012

These results, the tightening of the partnership between TPS and Infomobility and the change of the company denomination, in 2012 the company undertakes an industrial investment and development plan to present a series of high range proprietor products, with significant processing features for real time data management and a simple approach to software customization.





# COMPANY PROFILE

## INFOMOBILITY: OUR MOST PRECIOUS GOODS? OUR HUMAN CAPITAL

Know-how, devotion for research and commitment to constant improvement determine the quality of our performance. Our goal? Generate added value.

Our innermost competitive advantage stems from the synergy between intellectual, relational and organizational capital: our most precious goods is our human capital.

Our human resources possess knowledge, capabilities and specific skills in a wide range of sectors: day by day, we share an invaluable richness of know-how and competence, augmented by the value of the professional experience grown along the years.

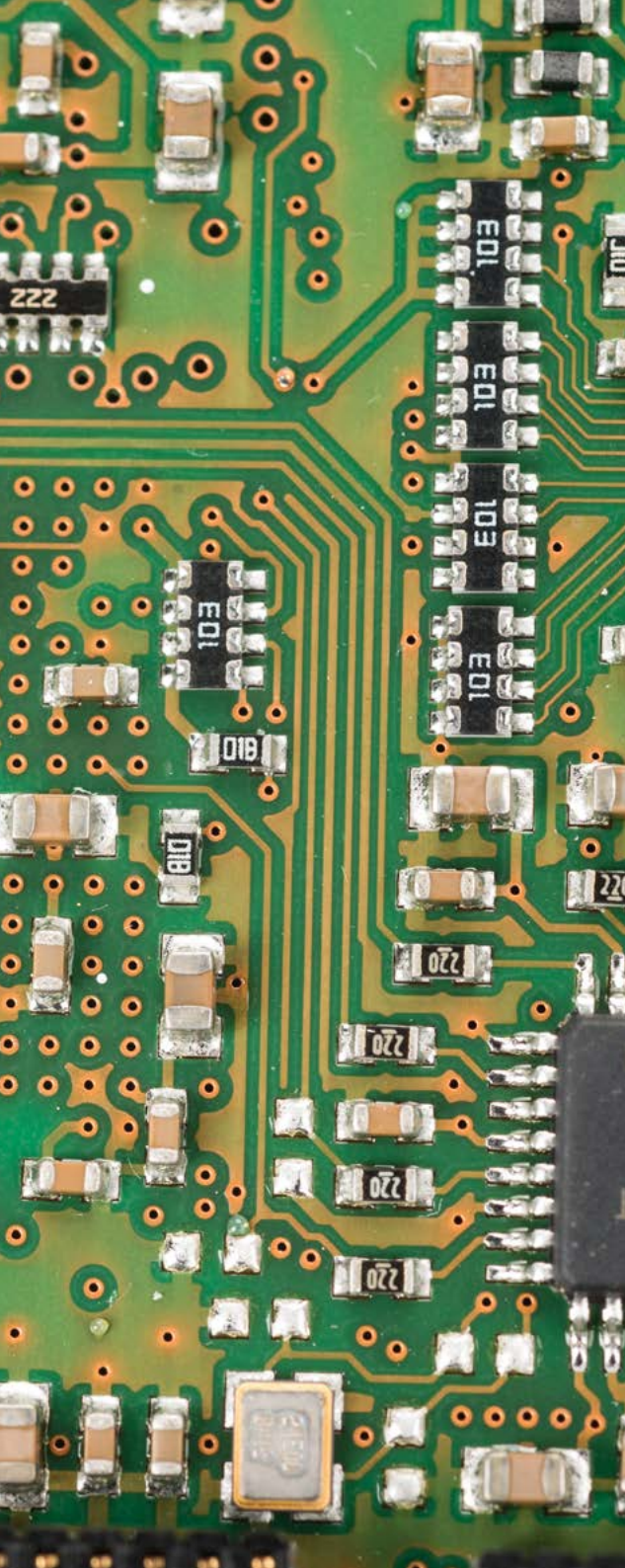




## IN THE RADIOFREQUENCY AREA, WE DESIGN AND DEVELOP:

- RF&MW circuits (up to 24 GHz): LNA, RF&MW Amplifier, RF&MW Mixer, Filters, digital Mo-Dem implementable on FPGA or DSP, Transceiver. The application field is specifically addressed towards the Infomobility and Automotive sectors where devices have been developed as RSU for Telepass and TC278 systems at 5.8 GHz. This competence can be extended to industrial or military application as well.
- Modules dedicated to the transceiver in the ISM (434 MHz, 868 MHz, 2.4 GHz, 5.8 GHz) with the possibility to make "proprietary" radio links for customized applications in the industrial or private sector.
- Microstrip antennas. Specifically, single patch and array patch up to 24 GHz.
- Test machinery for the testing of RF circuits.
- Consultancy for the implementation of the manufacturing of small-to-medium size volumes of RF circuits.

Do our partners' needs evolve? Do products requirements change? We do evolve and change with them, thanks to the dynamic and flexible skills of our engineers.



## IN THE HARDWARE DESIGN AND DEVELOPMENT AREA OUR COMPETENCE EXTENDS TO:

- **MICROCONTROLLERS:** MPC860, SH7032, SH7055. Texas DSP C6201, Intel PXA270, ADSP532, LPC2xxx (ARM7), LPC17xx (ARM Cortex-M3), IMX25 (ARM9), IMX53 (CORTEX A8), S3C2410, S3C2442, IMX53 (ARM11), X86-64, ZYNQ.
- **COMMUNICATION LINES AND BUS:** USB, FireWire (IEEE1394), Ethernet (TCP/IP), CAN, Arcnet, LIN, serials (UART, SPI, HDLC, K-L, RS232, RS485), PCI, PCI Express, LVDS, CameraLink, SATA.
- **WIRELESS TECHNOLOGIES:** (WiFi, Bluetooth, modem GSM/GPRS, UMTS, GPS), Digital radio UHF. + , Architectures 5.8 GHz, 24 GHz.

## THANKS TO OUR KNOWLEDGE OF:

- **PROGRAMMING LANGUAGES**  
C, C++, C#; assembler for: ARM7/9/11/Cortex-M3, Cortex A8-A9, Motorola, National HPC, Hitachi, DSP Texas, DSP Analog Devices, HTML, Java, Verilog, System\_C.
- **PROGRAMMING ENVIRONMENT:** Tornado for VxWorks, programmable logic device Xilinx, Altera and Lattice; CodeComposer, CodeWarrior, VisualDSP; uVision, several editors;
- **COMPILERS:** Gnu, Metrowerks, DIAB, Introl, Keil.
- **OPERATIVE SYSTEMS** Real Time Multitasking for embedded systems, Embedded VxWorks, Windows, Windows CE, embOS; Linux (PC, embedded).
- **DESCRIPTION LANGUAGE OF THE HW**  
VHDL
- **CONTROL SYSTEMS FOR REVISIONS**  
WinCVS,
- **SIMULATION SYSTEMS:** Stateflow, Matlab, Simulink, RealTimeWorshop, Modelism, CST, PSPICE.



# IN THE SOFTWARE DESIGN AND DEVELOPMENT AREA OUR COMPETENCE MASTERS:

- **PROGRAMMING LANGUAGES:** C, C++, C# Java, Javascript, Visual Basic, Visual Basic .Net, Visual Basic for application, VHDL, Verilog, System\_C, Assembler, Assembler X86, Assembler ARM, Assembler F2MC, PHP, Python, Perl, ASP.Net, SQL, MySQL, jQuery, OpenCL, CUDA, CAPL, Pascal/Delphi.
- **COMPILERS** Gnu (gcc, g++), Keil.
- **OPERATIVE SYSTEM:** Real Time Multitasking per sistemi Embedded VxWorks, Windows, Windows CE, embOS; Linux (PC, embedded),
- **PROGRAMMING ENVIRONMENT:** Tornado (VxWorks), QT Creator, Eclipse, Visual Studio, Android Studio, Android SDK, Code Bloks, uVision (Keil), Softune, Kdevelop, Cygwin
- **PROTOCOLS:** Ethernet (NTP, FTP, TCP/UDP...), HTTP, HTTPS, CAN, SSL
- **MARKUP LANGUAGES:** HTML, XML, LATEX, CSS
- **CONTROL SYSTEMS FOR REVISIONS:** WinCVS, Tortoise SVN, Microsoft Visual Source Safe, Mantis
- **SYSTEM DESIGN SOFTWARE:** Labview
- **LIBRARIES:** Qt , MdbTool per Linux, OpenCL, OpenCV, LibJPEG, PThread
- **DATABASE:** MySQL, Access.
- **APPLICATION SOFTWARE:** MatLab, StateFlow, Microsoft Visual Studio, Eclipse, NetBeans, Keil, Tornado, Softune, QT Creator, Canalyzer, CanKing, Docklight Scripting, Microsoft IIS, Canoe, Candela, Quartus II, ISE, Vlvado, Modelism, CST.

# INFOMOBILITY CAN ALSO DESIGN THE GRAPHICS OF THE PRODUCTS AND THEIR COMPONENTS. WE USE

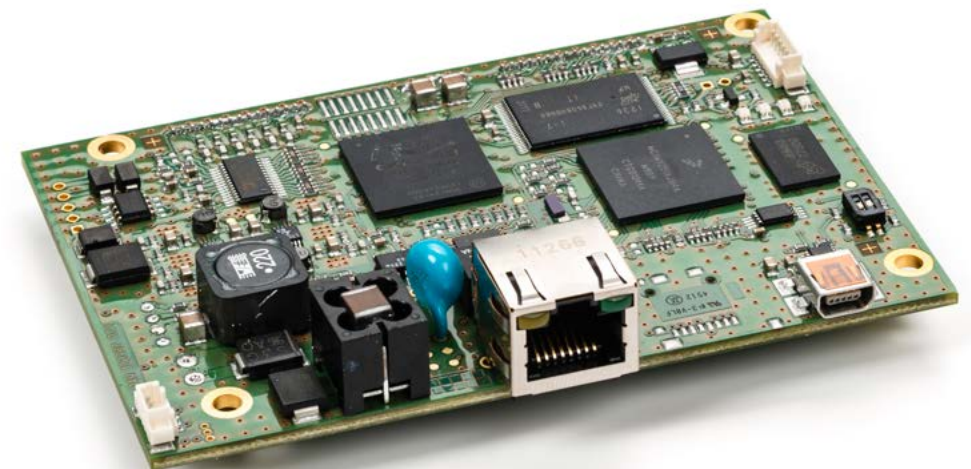
Autodesk Inventor Professional: advanced cad 3d solid and surfaces moulding

3D prototyping and dynamic simulation of ensembles with stress analysis ansys and relative calculations certificates

Moulding of ensembles and relative exploded view

CorelDRAW Graphics Suite X6 Studio Designer and PICS GRAPHICS

AutoCAD Mechanical 2D DRAWING



# OUR MISSION

Infomobility was funded in the so-called Italian motor valley -in the region of Emilia Romagna- that is the prestigious cluster of the luxury car and automation industry located along the line connecting Modena and Bologna. We have been working here right from the start. This is the district where companies compete for excellence investing in research, development and innovation.

We have always been part of this excellence, with our electronic and radio-frequency devices, our hardware and software designed specifically for the infomobility and automotive sectors. Our customers' requirements change, technology reacts accordingly, markets follow suit: in the same way, we do change, react and follow suit.

We believe in innovation and progress; we enhance our know-how to create highly performing solutions, along with customers' requests and the ever-evolving technology.

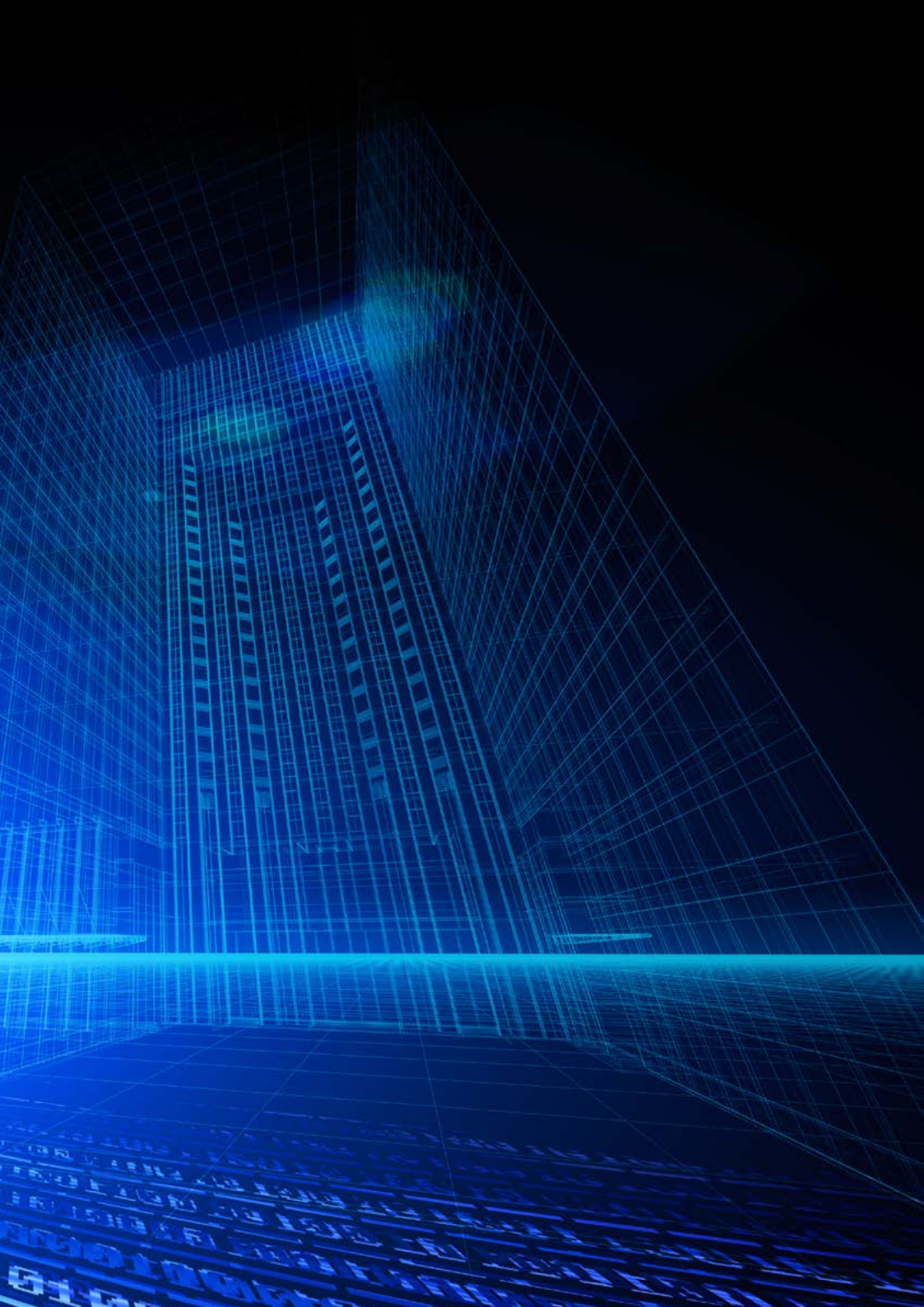
Our mission takes root from team work, from the cooperation among skilled persons who are brilliant, creative and dynamic, motivated by fundamental values:

- Openness, respect for the other and cooperative attitude;
- Critical insight, precision and organization;
- Enthusiasm about technology, innovation and new challenges;
- Strong will to improve constantly and determination in achieving our goals;
- Responsibility and reliability in terms of commitment, results and quality towards customers, partners, employees -and colleagues.

# MISSION AND VISION







# OUR VISION

## **OUR PAST?**

OUR EXPERIENCE.

## **OUR PRESENT?**

OUR CONSTANT RESEARCH FOR  
VALUABLE SOLUTIONS TO  
FACE MARKET CHALLENGES, WITHIN  
AND OUTSIDE EU.

## **OUR FUTURE?**

DESIGNING WINNING INNOVATION







# QUALITY ISO 9001

**The values embodied in our mission and vision permeate the way we manage Infomobility Quality System.**

What do we mean by working in quality? For Infomobility this means being efficient, organized and dynamic. This leads to a better quality of working, to increased satisfaction which in turn brings ever-improving results and creates the added value our customers expect from us.

**For Infomobility quality is customer-driven.**

Our customers' requirements change, technology reacts accordingly, markets follow suit: in the same way, we do change, react and follow suit. Our programme for the Quality Management is never-ending since there is always room for improvement.

Our starting blocks? Our experience. We want to improve our present to build a better future, within a frame of ongoing improvement for all the employees, all departments and company processes. We want this to be Our responsibility, day by day.

**As proof of this, Infomobility S.r.l. is certified UNI EN ISO 9001:2008**

# QUALITY

## CONFORMITY

In the design and making of our products Infomobility is compliant where requested with one or more among the following references:

### **IN THE MODEM /TELEMATICS AREA:**

- Devices certified PCTRB, C-Tick EN 61000-6-3) (2007), CISPR 22, COFETEL;
- 72/245/EEC (2006/28/EC) Annex L;
- FCC Part 15 , 22, 24;
- EMC Automotive Directive 2004/104.

### **IN THE AUTOMOTIVE AREA:**

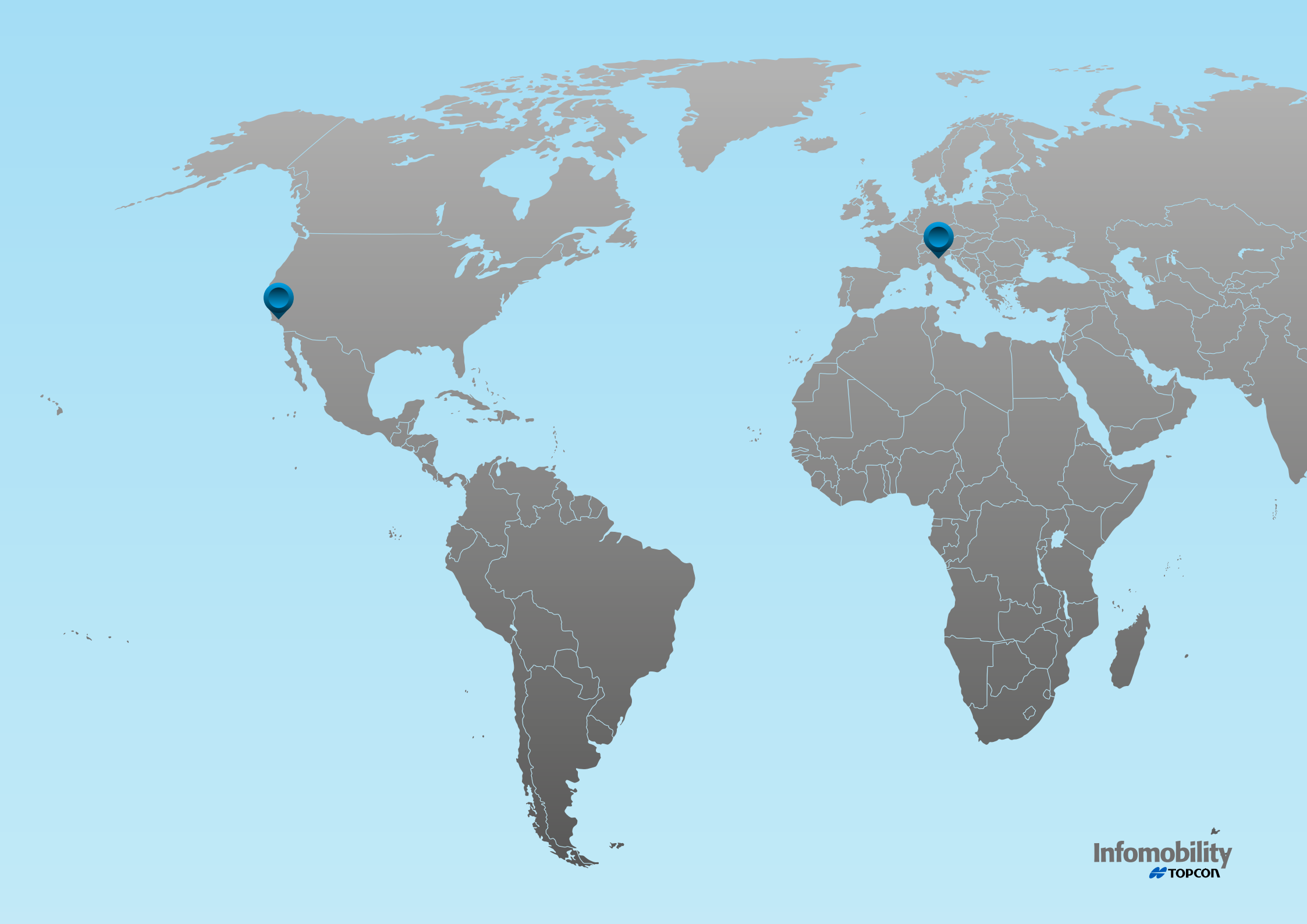
- Norms as ISO 7637, ISO 10605-2001, IEC 60082;
- EN310

### **IN THE RADIO FREQUENCY AREA:**

- Radio and telecommunications terminal equipment (R&TTE);
- Electromagnetic compatibility (EMC);
- Low voltage (LVD).

### **FOR THE USE OF RF PARTS ON RSU (ROAD SIDE UNIT) DEVICES:**

- interoperability of the polling collection systems within the European community (European Electronic Toll Service, EETS Directive 2004/52/CE and decision 2009/750/CE);
- French market: compliant with "Arrêté du 8 juin 2012 relatif à la certification des équipements techniques et à l'homologation des chaînes de collecte, de contrôle automatique et de contrôle manuel de la taxe alsacienne et de la taxe nationale sur les véhicules de transport de marchandises" ECOTAXE project.







# OUR HEADQUARTER IS IN ITALY:

## **INFOMOBILITY S.R.L.**

Via A.Galavotti, 64  
41033 Concordia sulla Secchia (MO) - ITALIA  
Tel.+39 053540818 - Fax + 39 053555044  
[www.topconinfomobility.com](http://www.topconinfomobility.com)

## **TPS TEST SITES IN THE WORLD:**

- Concordia sulla Secchia, Italy (Europe)
- Livermore, California (USA)
- Adelaide, Southern Australia (Australia)

## **WHO IS TOPCON POSITIONING SYSTEMS INC.?**

Topcon Positioning Systems, Inc., (TPS), Livermore, California, is an associated company at 100% of Topcon Corporation, Tokyo, Japan.

Topcon Positioning Systems (TPS) is the worldwide leader in the development and manufacturing of equipments for the precision positioning, with a wide range of innovative precision systems based on GPS and GNSS, laser, optical instruments for the application in the surveillance, civil engineer, building and precision farming sectors.

## **TOPCON POSITIONING SYSTEMS, INC**

7400 National Drive  
Livermore, CA 94550, U.S.A.  
Phone: 925-245-8300 925-245-8300  
Fax: 925-245-8599  
[www.topconpositioning.com](http://www.topconpositioning.com)

## **TOPCON CORPORATION**

75-1, Hasunuma-cho, Itabashi-ku,  
Tokyo 174-8580, JAPAN  
Tel:+81-3-3966-3141  
[www.global.topcon.com](http://www.global.topcon.com)



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