

Committed to Deliver Excellence

INTECS, founded in 1974, is a leading Italian private engineering company that specializes in the design and realization of innovative high-tech electronic systems for the Aerospace, Defense, Transportation, Smart Devices and Financial markets. The company places a strong emphasis on innovation, quality, and reliability as the key ingredients for its success. With a forward-thinking research and development approach, INTECS collaborates with prominent European and Italian industries, institutions, universities, and research centers to design and develop cutting-edge applications, tools, and software components for complex electronic systems. By fostering these strategic partnerships, INTECS gains access to a vast pool of knowledge and expertise, enabling the company to stay at the forefront of technological advancements. Furthermore, INTECS maintains a strong focus on research and development to stay ahead of emerging trends and technologies.



Solutions and System Integrations

HOW WE OPERATE

We design solutions from scratch starting from the user needs up to the system delivery and maintenance. Our flexible approach to system design and development caters to the specific needs of each project and context. For projects with clear objectives and well-defined users we adopt the waterfall methodology, aligning with industry standards in sectors such as aerospace, defense, rail, and automotive. In complex and dynamic contexts where goals may not be fully defined and requirements can change throughout the project lifecycle we follow an Agile approach. Our expertise in integrating complex systems allows us to address critical challenges effectively. We can integrate systems from different suppliers, utilizing off-the-shelf, pre-configured, or fully customized components to meet customer needs. The company's advanced skills in electronics, firmware, software, and mechanics synergize to deliver efficient turnkey solutions and systems.

Consulting

HOW WE OPERATE

We leverage our technological expertise and experience in cutting-edge projects to provide valuable consultancy services to our customers. Our team of highly qualified professionals offers consultancy in System and Software Engineering, software development, modeling, quality and process improvement, assessment, RAMS, HW development and cybersecurity. The consultancy services focus on maximizing customer satisfaction in terms of quality, continuity, and availability.

The company employs a rigorous selection process to ensure that our staff aligns with corporate strategies and customer needs.

Intecs Solutions is particularly attentive to maintaining and increasing the skills of its staff, continuous updating is pursued through training and certification courses aimed at maximum adherence to consolidated and emerging technologies.

Aerospace

Intecs develops innovative space solutions at European level and is involved in the exploitation of the related results in the industrial sector. For more than 35 years we have been implementing systems and components for space applications, such as on-board software as well as systems for ground segments to support Earth Observation satellites (upstream, midstream and downstream competences).

Defence

The Defence division, composed by highly specialized resources, can offer "turnkey" solutions and consultancy in accordance with the quality and process standards required by the market. The main competence achieved by Defence Division are related to the Software as well as Hardware capabilities to design and develop solutions for mission-critical programs

Air Traffic Control

Intecs Solutions' expertise in the ATC sector allows the company to offer turnkey solutions for numerous aspects of flow management, both at the airport level and in terms of air traffic control systems. Intecs has been involved in major national and international programs for the development of new ATC systems

Railway

Intecs is a leader in providing innovative services and solutions for the railway domain for over 30 years. Our teams have a proven technical expertise in solutions for high-speed rail systems for regional and metro trains, and from advanced signalling system technologies to satellite positioning technology. We support railway companies on activities for Safety Analysis, Cybersecurity, Verification, Validation, Assessment and SW Development of railway systems, subsystems, products and processes with reference to CENELEC standards EN 50126, EN 50128, EN 50129, EN50155, EN50657, EN61508, EN50701 and the decrees of the National Agency for Railway Safety

Automotive

The automotive industry is rapidly changing and is no longer the realm of mechanical engineers alone: 50% of defects and 70% of competitive advantages now derive from electronics. The new process standards (Automotive Spice TM) and product standards (AUTOSAR) are changing the rules of the game between car manufacturers and suppliers. Intecs closely follows all these trends, focusing its offer in Software Development for electronic control units, in the Validation activities of Electronic control units and Consulting on development, cybersecurity and safety processes.

Fintech

Intecs has decided to enter the Fintech market, considered among the most interesting of our times. Our offer includes solutions in the Open Banking field as well as for Digital Payment Security, Positional Risk Analysis and e-Commerce. In this context we have developed the AMEG a product that through the elaboration of relationships between clients is able to identify the relative level of dominance and a product for the automatic validation of 'Open Banking' applications and services based on standard PSD2/XS2A interfaces.

INTECS Labs

Intecs LABS represent an essential part of our development and innovation process. Conceived as cross-market elements, they are made up of expert groups that develop customized solutions in line with the most modern technological trends:

- Cybersecurity
- Artificial Intelligence and big data analysis
- Blockchain
- Satellite navigation
- HW design
- RAMS analysis.

One of the main achievements of the laboratories is to do research and develop solutions in line with the objectives of the business lines using the most innovative technologies. Starting from ideas gathered through an Idea Management Process or from Customer Requirements the laboratories produce concepts or prototypes products that will then be used and industrialized by the product line or delivered directly to our customers.

INTECS Products

Intecs' expertise in advanced technology has enabled the development of innovative products for new applications and advanced systems. These products stem from years of experience and investment in research and industry.

- DEDALO is a passive Drone Detection system which is able to recognize and localize electromagnetic emissions through radio frequency (RF) sensing, providing real time alerts of Unknown Slow Movers / Unmanned Air Vehicles (UAV) and enabling a rapid and coordinated response.
- SKYCARE system is an anti-drone solution based on radio frequency technology for detecting and neutralizing UAVs, providing continuous, automatic, and omnidirectional protection against UAVs.
- SIRIO LX is a radar-based automatic system for preventing trains from colliding with obstacles on the track at level crossings. It has been designed to ensure the highest level of safety (SIL4 according to the CENELEC 50129 standard).
- GIASONE is an advanced GNSS signal monitoring system consisting of a Multi-Frequency antenna and a processing unit. It offers high performance, reliability, and flexibility thanks to the SDR approach, which allows for easy configurability and continuous updates.

Roma
Pisa
Napoli
Milano
Torino
Genova
ReggioEmilia
Bari

Via Giacomo Peroni 130, 00131 Roma
Via Umberto Forti, 5, 56121 Ospedaletto - Pisa
Via Ferrante Imparato, 198 - Isola F, 80146 Napoli
Via Arcivescovo Calabiana, 6, 20129 Milano
Corso Castelfidardo, 22, 10135 Torino
Via Greto di Corigliano 6r, 16152 Genova
Via Luigi Pasteur, 16, 42122 Reggio Emilia
Via Massaua 18, 70132 Bari



Tel. +39 06 20 39 28 00

Fax.+39 06 20 39 28 59

info@intecs.it

www.intecs.it