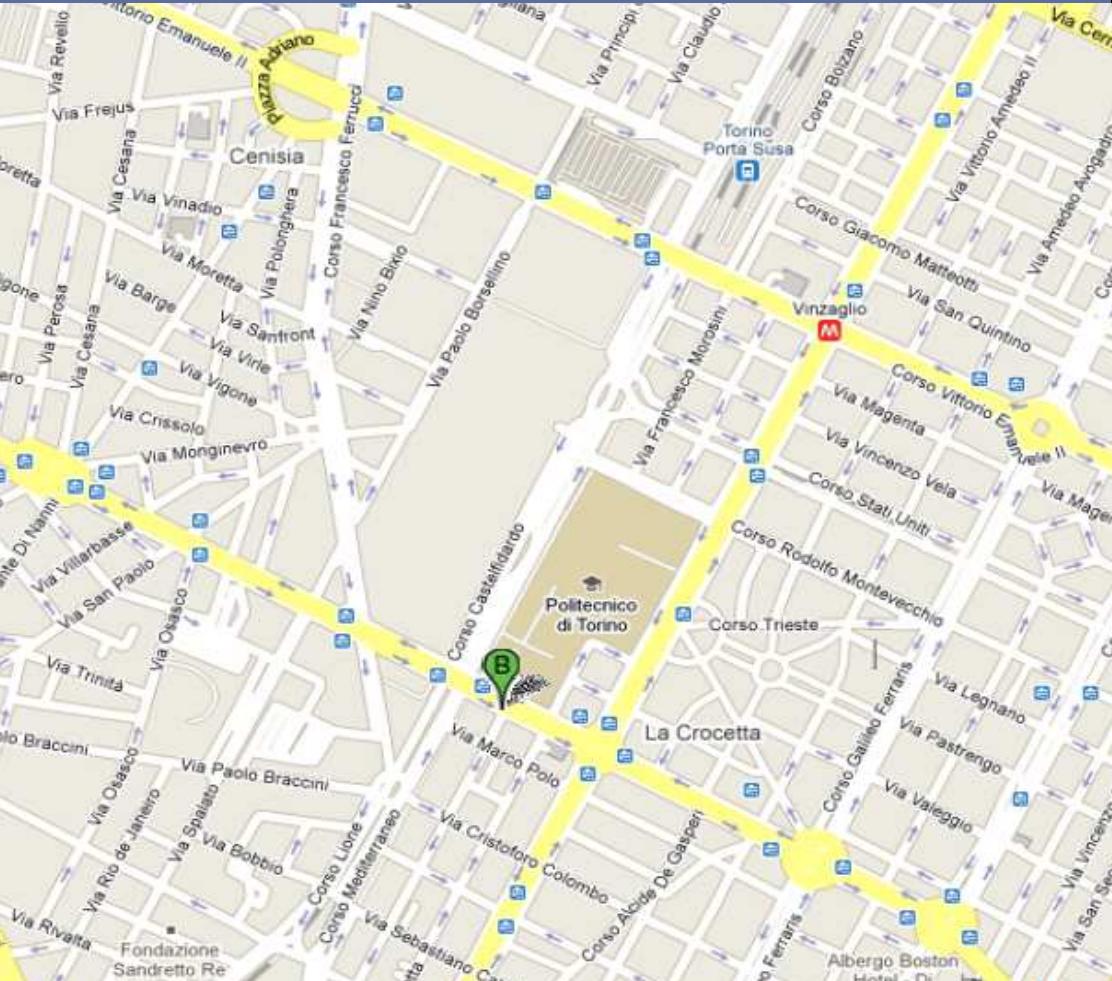


How to reach us



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**STUDI, PROTOTIPI, ATTIVITA' PER
L'INNOVAZIONE E LA COMPETITIVITA' SRL**

**Studi, Prototipi, Attività per Innovazione
e Competitività (S.P.A.I.C.) s.r.l.**

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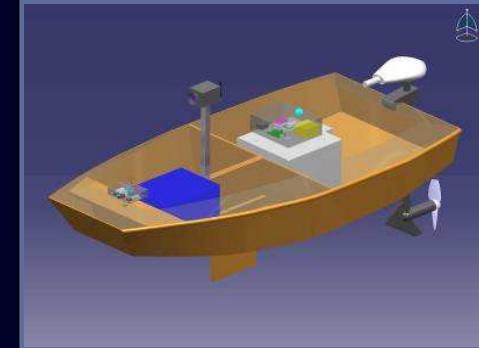
VAT number: 09528430011

S.P.A.I.C.srl

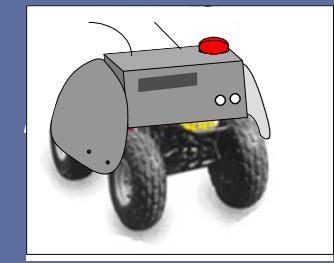
Studi, Prototipi, Attività per Innovazione e Competitività (S.P.A.I.C.) srl is an academic spin-off born in January 2007 in Torino. It's the 79° company being hosted by Incubatore Imprese Innovative del Politecnico di Torino (I3P). S.P.A.I.C. derives from the experience of a research team (ASSET, AeroSpace System Engineering Team) active in Dipartimento di Ingegneria Aeronautica e Spaziale (Aerospace Engineering Department) of the same University. S.P.A.I.C. activities are focused on study, design, prototype development and integration about products and services with high level of technology contents and low cost, mainly in aerospace, robotics and automation sectors. Being an academic spin-off the mission of S.P.A.I.C. is to engineer and realize prototypes of innovative systems, born as research experiments from ASSET team. S.P.A.I.C. is also focused on consulting activities in the same sectors and for studies of scenarios and technology assessment

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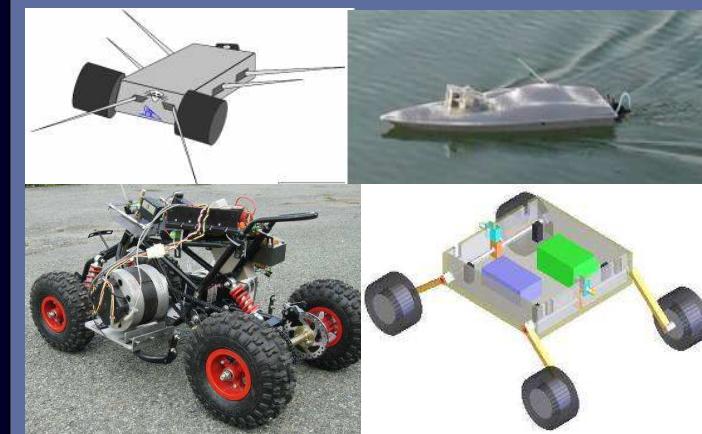
Future activities



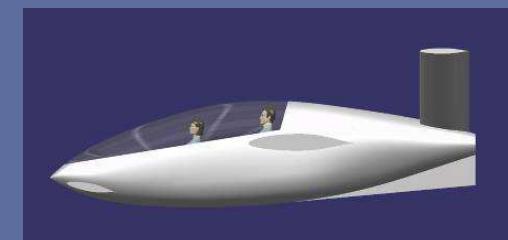
U.S.V. - UNMANNED SEA VEHICLES



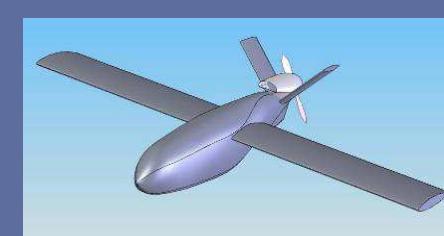
U.G.V. - UNMANNED GROUND VEHICLES



Proof of concepts and technology demonstrators



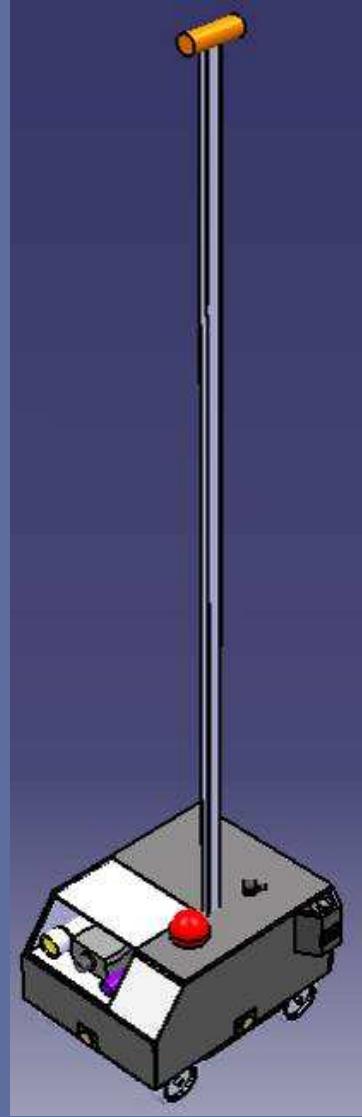
Microlight aerial vehicles



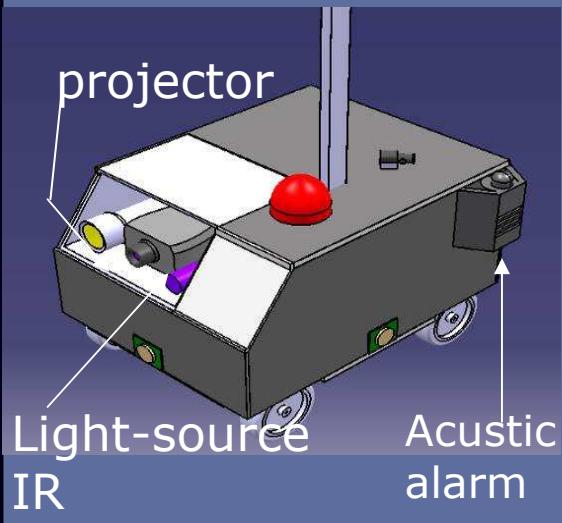
High safety, low cost, and high appeal, for both amateur use and surveillance purposes (unmanned)

Surveillance robotics

Born with the same philosophy of nanosatellites, to achieve high technology results using low-cost components



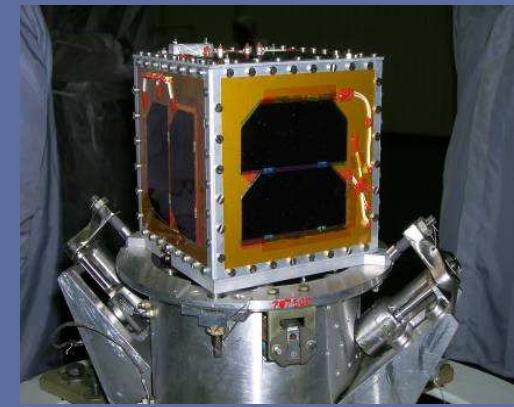
Applications for both indoor (e.g. museums) and outdoor scenarios (e.g. seaports) and different sizes and architectures



Provided with:

- IR videocamera, with lift and pitch capability
- Chemical sensors (gas detection)
- Proximity sensors
- Light and sound alarms

Our activities

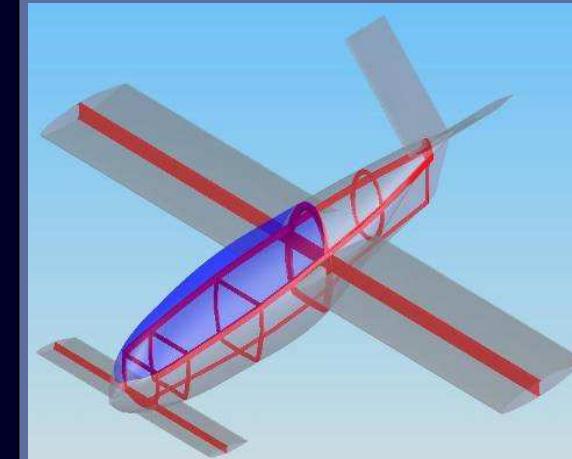


Nano-satellites

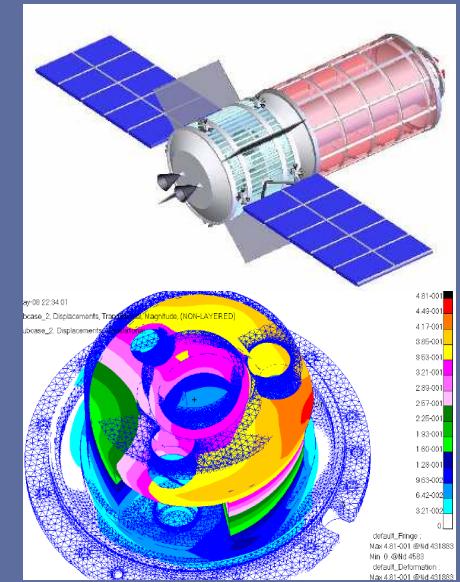
Surveillance robotics



Design studies for Ultra-light Air Vehicles

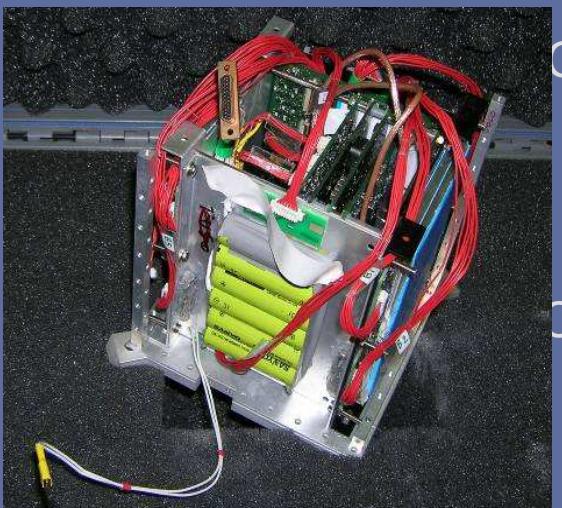


Other activities for consulting, design and feasibility studies, RAMS analysis in aerospace, robotics and automation sectors



Low cost nano-satellites

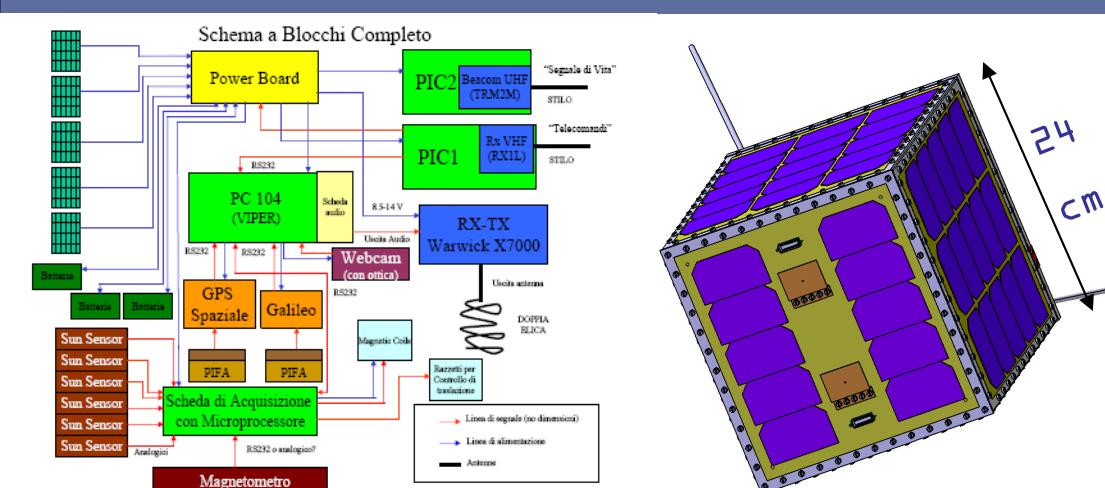
Evolutions of academic nanosatellite PiCPoT, project led by prof. Sergio Chiesa, S.P.A.I.C. founder and first president



Cubic-shaped satellite
13 cm sized
Weight: 2,5 kg
Orbit altitude: 500 km

Developed with low-cost materials and component

New solutions under development



New architecture
based on on-board
embedded PC

Larger sizes and payload capabilities

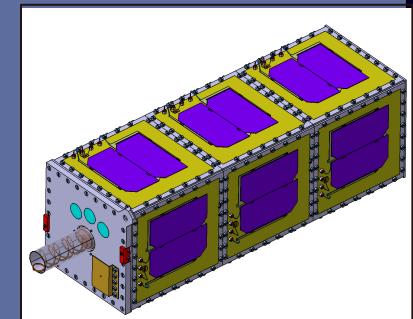
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Supply of assembly kit, e.g. for Radio-amateurs associations, to be customized with Radio and/or other payload provided by the client or developed ad hoc.

Assistance and consulting for pre-launch activities

Modular architecture with chance of assembly of more than one unit, may be strongly effective to increase payload capability with several different purposes, highly customizable



Possible uses: scientific and astronomic observation, measurements of Earth magnetic fields, micro-g experiments, etc.

The mission is providing access to Space with extremely low costs, to perform scientific experimentation

