



società aereo spaziale
mediterranea S.p.A.

LA SOCIETA' AEROSPAZIALE MEDITERRANEA

SAM S.c.r.l. was born in 1998, and is the first Italian aggregation of SME's in the aerospace sector.

The head office is in Naples, and the associated companies are based in 8 Italian regions.

Through two industrial development funding programs, SAM realized very important R&D and industrial investments.

From 1998 to 2017

Investments: 95 M€ (R&D 12%)
Employees: from 289 to 758 (+155%)
Turnover: from 21 M€ to 150 M€ (+600%)



ACTIVITIES

AERONAUTIC SECTOR

- General Aviation **aircraft** design and manufacture
- **Interiors** design and manufacture
- **Landing gears** design, manufacture and maintenance
- General and commercial aircraft maintenance
- Avioelectronic board programmes' upgrading
- Prototyping and reverse engineering
- No-destructive controls and surface treatments
- Precision machining
- Composite materials design and development

- Space Ground Segment SW and applications (**Earth Observation, NAVSat, TLC**)
- Space Ground segment **antennas and infrastructures**.
- Design, development and manufacturing of on board and ground **electronic equipment**
- Design and manufacturing of space infrastructures and payloads for scientific and commercial missions, environmental monitoring, telematic and applications
- Mechanical Space infrastructures and components design and development

SPACE SECTOR

ACTIVITIES

ASTROPHISIC SECTOR

- **Telescopes** mechanical & system design and production
- Precision machining
- Composite materials design and development
- Design and manufacturing of control systems for astrophysics applications
- Design, development and manufacturing electronic equipment
- Systems monitoring and telemetry

- **Earth observation: MAPS** through satellite and avionic platform using multisensor technologies.
 - Burnt areas
 - Hydro-geology
 - Monitoring of urban environments
 - Monitoring of rubbish dumps
 - Mapping of vegetation and agricultural areas
- **Telecontrol and monitoring** systems: Geographic Information 24/7 for environmental monitoring and surveillance services, GIS and DDS systems.

ENVIRONMENTAL MONITORING

ACTIVITIES

RESEARCH ACTIVITIES

➤ Space projects

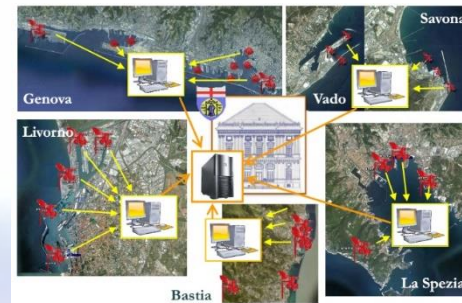
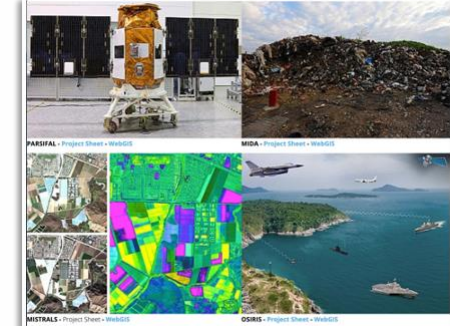
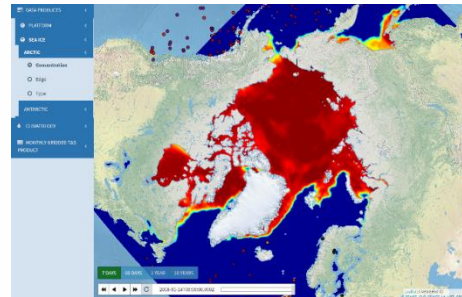
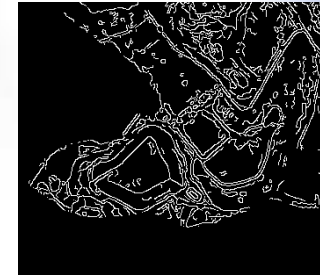
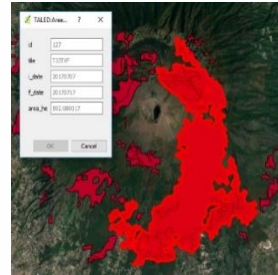
- SAR & Optical Earth observation data elaboration and algorithms.
- Data fusion / validation with ground data, aerial data and drone-born data
- GNSS applications
- Satellite telecommunications
- Space infrastructures and payloads

➤ Big Science projects

- Control systems for astrophysics applications
- Systems monitoring and telemetry
- Design of nuclear projects plants and facilities

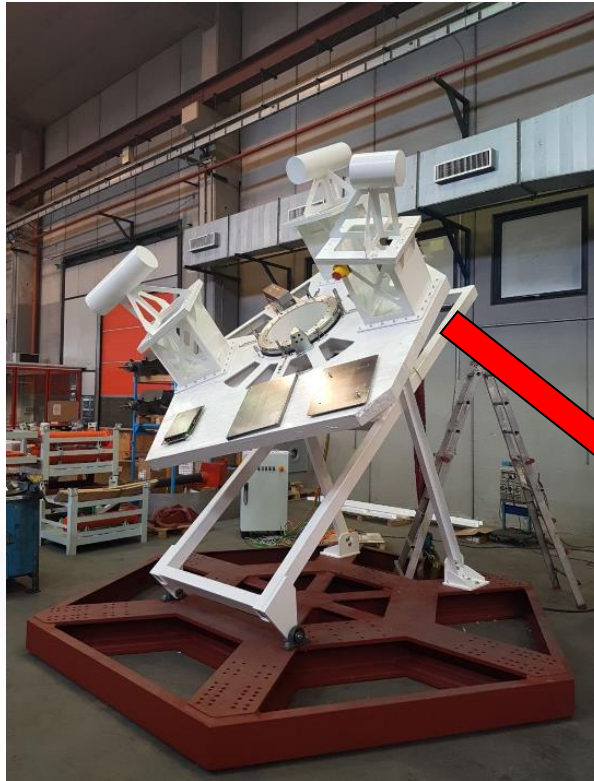
➤ IoT, telecontrol and monitoring.

- Structures monitoring, geoarcheology,
- laser Scanner 3D, Topography, Geophysics, Geology
- Virtual and Augmented Reality



SKA DISH: SAM Activities: The FEED INDEXER

RESEARCH ACTIVITIES: SKA



«SKA-P prototype, feed indexer and antenna structure (Shijiazhuang, China)



SKA-MPI prototype – South Africa

RESEARCH ACTIVITIES: SKA



The Feed Indexer SKA-MPI prototype will be part of the “Meerkat Extension” array, 16+4 SKA-Dishes, that will be realized in the next 2 years (funded by MPI, INAF and SARA0).



SAM – THE INDUSTRIAL TEAM



Engineering SME specialized in drone applications for business processes. HW and SW Design, development and manufacturing. Drone Operations



Structural analysis and mechanical design
3D CAD Modeling
CAE (FEA & CFD)
Lifecycle Management
Passive Safety
Durability & Fatigue
Thermal & Fluid Dynamics



Design, development, and manufacture of fully integrated landing gear systems for several types of aircraft and helicopter



User/Ground/Flight Space applications (SW and Electronics) Telecontrol & Monitoring System Earth Observation



Design, development and manufacturing of electronic equipment for aero-space applications



International Digital and Creative Company in Exhibition Design, Digital Signage, Virtual and Augmented Reality



An OHB company. One of the largest company in Europe for telescopes and antennas



Projects for the environmental and industrial exploitation of forestry areas, wood technologies, research and development activities "Forestry 4.0



Aerophotogrammetry, aerial takes, orthomap and cartography



Structures monitoring, geoarcheology, laser Scanner 3D, Topography, Geophysics, Geology



General Aviation, Design and production of commercial aircraft



Remote Sensing data and applications. Solutions for Environmental and Urban Monitoring



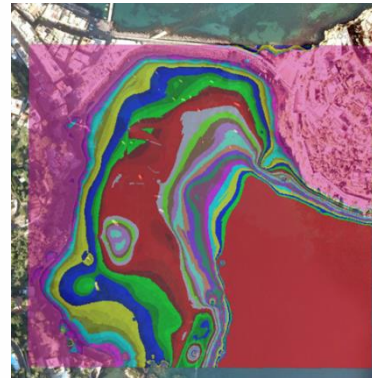
Remote Sensing solutions for Agritech, Urban Monitoring and Infrastructures



Operational solutions for the management of water, agro-forestry and plant resources using Earth observation data.



La **Euro.Soft** è una società operante nel settore ICT, svolge attività di consulenza tecnica e gestionale e realizza sistemi hardware e software ad alto contenuto tecnologico. L'azienda è certificata ISO 9001:2008 per la "PROGETTAZIONE SVILUPPO E FORNITURA SISTEMI SOFTWARE E DI TELECONTROLLO (software and telecontrol systems, design development and supply)", opera secondo le norme ECSS ESA. L'azienda realizza applicazioni nei settori aerospaziale – militare e public utilities, è inserita dell'albo dei centri di ricerca della Regione Campania ed è presente negli albi fornitori di enti ed aziende nazionali ed internazionali come ESA, ASI, Thales Alenia Space, INDRA Italia, Poste Italiane e Regione Campania.

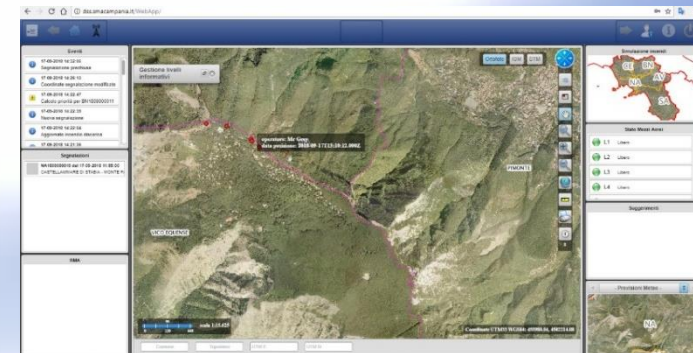


ATTIVITA'

- 1 Space software and systems
- 2 NavSat & TLC applications
- 3 Earth Observation
- 4 E-GSE, M-GSE and data acquisition equipments
- 5 Monitoring and Telecontrol
- 6 SW Applications & Consultancy
- 7 Automation systems

CONTATTI

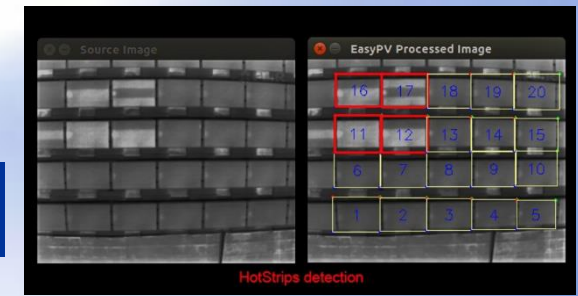
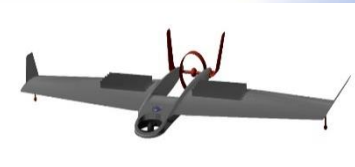
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Web: www.eurosoftsrl.eu



TopView



- ✓ TopView is an **Engineering SME** born in 2013 to explore the new growing market of drones
- ✓ Our associates have a **strong experience in aerospace**, Electronics and complex systems design & engineering, from concept to prototype
- ✓ Our products and services are **tailored** for the **Industry** and **Service Provider companies** to enhance their processes by using **Drones** and **IoT based Systems**
- ✓ The company invests continuously in **industrial R&D** and in **human resources**, having reached a stable configuration of 14 people



LATITUDO 40

- ✓ Latitudo 40 is an **Innovative Startup** born in 2017 to bring together data and algorithms from multiple satellite sources and provide straightforward information to understand our planet from above. **Our motto is “Earth Analytics made Simple”.**
- ✓ Our data analytics platform is based on satellite images and artificial intelligence, providing understandable data that lead to decisions that are economically sound and sustainable. Thanks to a flexible, zero-code approach, Latitudo 40 **offers a new way to create, deploy and scale geospatial applications**, improving life on our planet and helping to achieve Sustainable Development Goals.



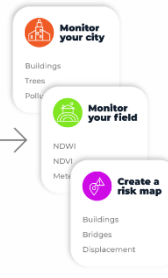
Bricks Catalogue



Partners



Solution Builder



Our technology for global resilience.

Data science for our planet's health and future.

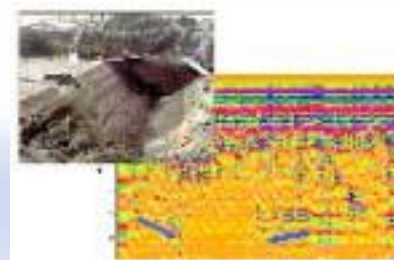
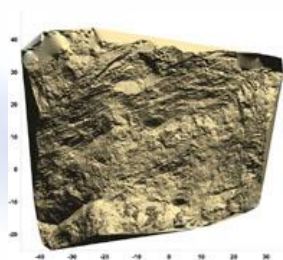
Our technology allows you to identify KPIs for environmental sustainability and ESG policies and quickly track the progress achieved

- ✓ The company invests continuously in **R&D** and in **human resources**, having reached a stable configuration of 11 people located in Italy and Germany. **Techstars (USA)**, **ExpertDOjo (USA)** and **CRIF S.p.A. (IT)** invested in our company to support our international scalability

TECNO IN



TECNO IN S.p.a. works in different sector of civil engineering, it provides its competences in the general field of engineering services. TecnoIn supply test equipments, control systems and instruments to use for different applicatio like civil and industril wroks, monumental and enviromental applications.



ACTIVITIES

- Structures monitoring and civil work
- Geoaerchology
- Cavity and hydraulic manufacture relief
- Structural diagnostic
- Laser Scanner 3D – Topografy
- Geophysic
- Geology
- Research and development

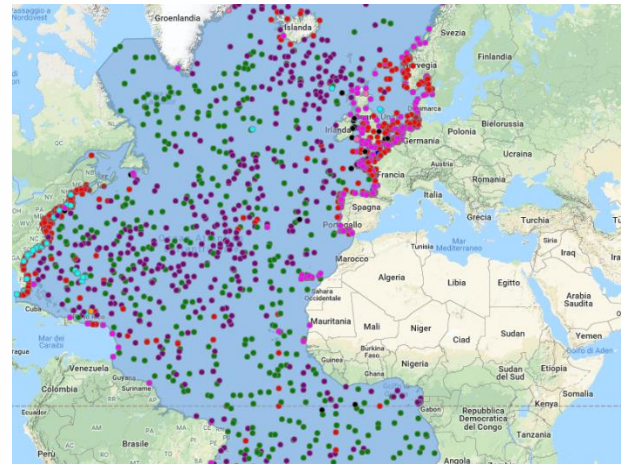
CONTACTS

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Web: www.tecnoin.it



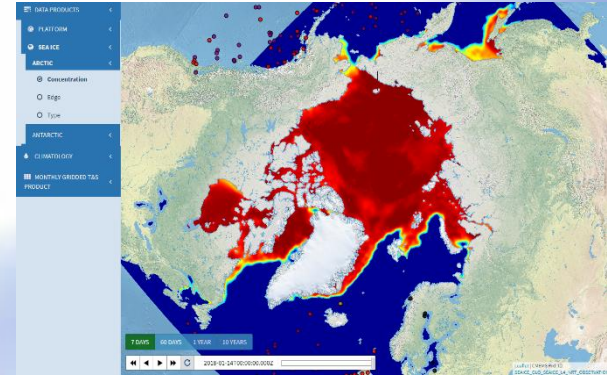
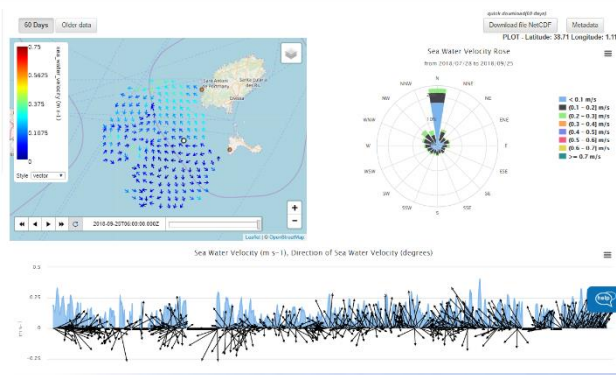
Research & Development | Smart cities | ICT | Blue Growth | Blue Economy

ETT S.p.A. is an international and Creative Company, supplying engaging and unique experiences through the combination of state-of-the-art technologies and innovative storytelling. We design memorable moments, bonding people and places together with immersive participation. They use the most innovative technologies to facilitate and support Public Administration activities. They continuously investigate and study new system and products for research and development.



ATTIVITA'

- Exhibition Design
- Digital Signage
- Virtual and Augmented Reality
- Multimedia Guides App
- Touch technology
- Sensors
- Immersive Projection Mapping
- Gamification
- Corporate Identify



CONTATTI

Info@ettsolutions.com
<http://ettsolutions.com>

Iavarone Wood Technology



In conceiving, designing and developing industrial products, the company combines the use of a natural material such as wood, with a strong content of technology, translated both in the integration of cutting-edge electronic devices, and in the processing and physical treatments of the material, which enhance its characteristics.



EUTERPE
Isola musicale



IWT I A V A R O N E W O O D T E C H N O L O G Y

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BEACH LUXURY UNIT
MODULO BALNEARE GALLEGGIANTE



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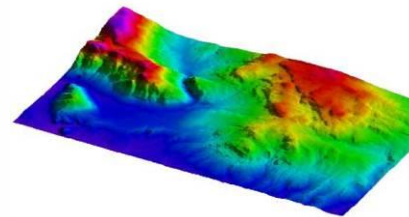
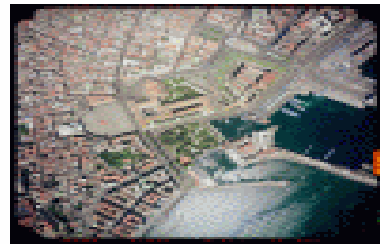
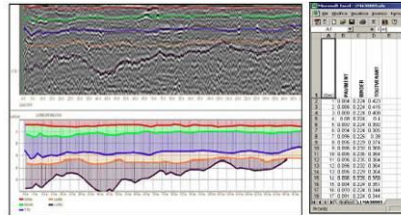
NUOVA AVIORIPRESE



Nuova Avioriprese S.r.l. was born in 1980. The company works in the aerophotogrammetry field with its fleet and machinaries. The company guarantees its services with great professionalism and efficiency, optimising results with instrumentation technologically advanced. Nuova Avioriprese is a research center, trained to the consultation and orders of research to support the innovation and the scientific and technological development in the field of consulting services for aerophotogrammetry, aerial takes, ortomap and cartography. The research center allows checks and territorial planning to wide range.

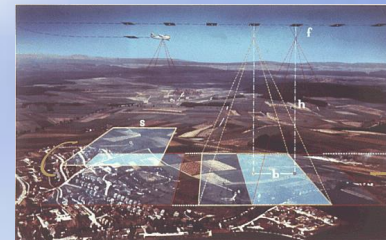
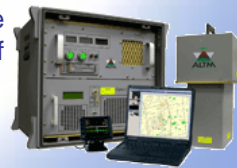
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ACTIVITIES

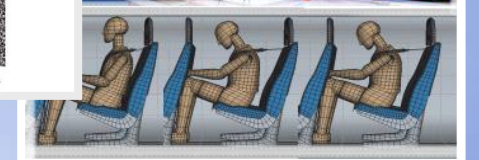
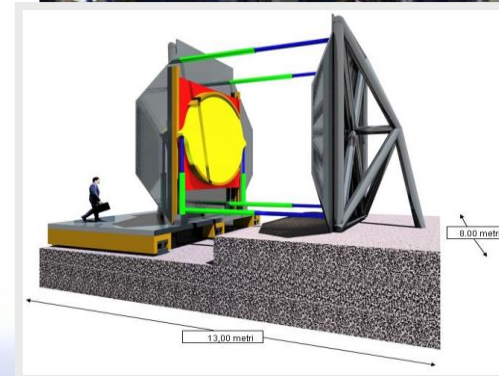
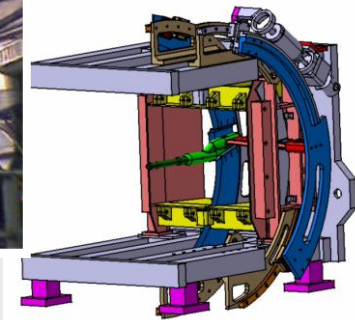
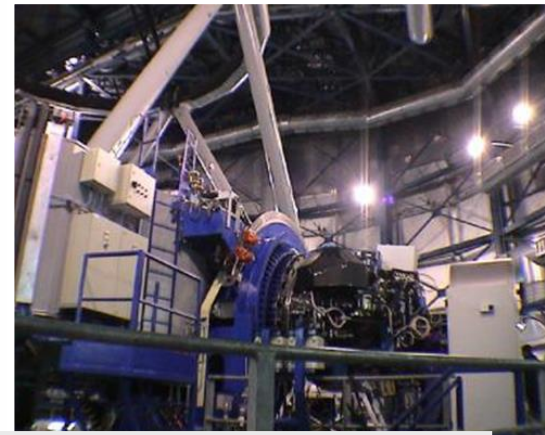
- ✓ Aerial takes b/w and colour for cartographic production;
- ✓ Thematic and synthesis map;
- ✓ Digital terrestrial photogrammetry;
- ✓ Geographical informative systems (GIS);
- ✓ Thermographic and infrared colour takes;
- ✓ Numerical cartography;
- ✓ Digital ortho-photo map;
- ✓ DTM – generation with Lidar technology;
- ✓ Sightings set-fires
- ✓ Formation and professional education;
- ✓ Georadar system for non destructive investigations of the subsoil for the location of sub services, archaeological areas etc.



CAPABILITIES



- STRUCTURAL TEST FACILITIES
 - Full and small scale crash rigs
 - Ground vibration & Fatigue rigs
 - Multi-axial testing
 - Static load rigs
- SIMULATION & DESIGN
 - Mechanical design - CAD/CAM and Verification (Stress, Fatigue, Thermic, Dynamic, impact)
 - Rapid Tooling
 - Sensors & actuators design, smart structures, Advanced Measurement systems



PROGRAMS

- GENERAL AVIATION AIRCRAFTS
- MILITARY TRANSPORT AIRCRAFTS
- COMMERCIAL AVIATION AIRCRAFTS
- UNMANNED AERIAL VEHICLES
- TELESCOPES

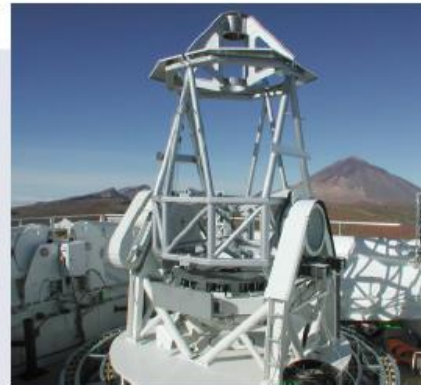
MT Meccatronica / MT Mechatronics



Radio Telescopes



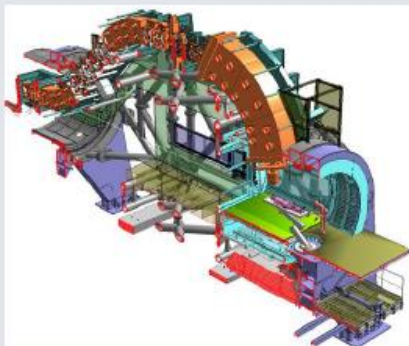
Groundstations for
Satellite Communication



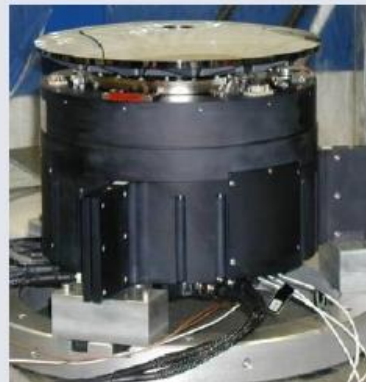
Optical Telescopes



Launching Facilities



Medical Systems



Mechatronic Systems



Servo & Control Systems



Service & Maintenance,
Upgrades, Refurbishments

TECHNO SYSTEM DEVELOPMENTS



TECHNO SYSTEM S.r.l. is specialized in design, development and manufacturing of electronic equipment. Electronic Systems, Subsystems and Units are developed on a custom based approach in order to satisfy in the best way the technical specifications and the user's requirements for the specific application. The company has internal skills for Hardware and Software developments which enable the implementation of customized and innovative solutions. **TECHNO SYSTEM** is implementing its own Quality System, described in the Company's Quality Manual and related Procedures, according to the **UNI EN ISO 9001** standard.

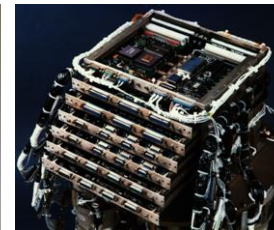
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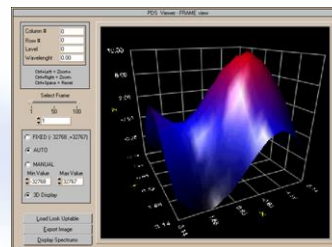
AEROSPACE ELECTRONIC



ELECTRONICS FOR SCIENTIFIC PAYLOADS



GROUND SEGMENT PRODUCTS



MAGNAGHI AERONAUTICA



Founded in 1936, thanks to the constant attention on preserving and increasing all in-house professional skills, and researching new technologies as well, it led Magnaghi to take part in many international programmes (EFA, TORNADO, M346, AIRBUS, BOING) and designing, manufacturing and certifying complete Landing Gear Systems autonomously (C27 J, A 109 Power) it has become one of the leading companies in the Landing Gear field. In addition Magnaghi designs and manufactures a large range of hydraulic devices (up-lock and door lock, hydraulic control system), aluminium, steel and titanium sheet work to produce fuel tanks, engine exhaust pipe, oil reservoir etc.

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Customers

AERMACCHI

AMX; MB326; MB339; S41

AUGUSTA

A109; A129; C47; Sikorsky NH90; AB 205/206

ALENIA AERONAUTICA

C 27 J; G 22

APPH

C 27 J

EMBRAER

AMX

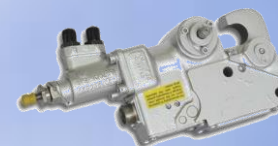
LIEBHERR

M 346

MESSIER DOWTY

ATR 42-300; ATR 42-500; ATR 72 AIRBUS

MINISTERO DELLA DIFESA ITALIANA



Costruzioni Aeronautiche TECNAM



Founded in 1986 by F.lli Pascale, Tecnam interests are divided into two main activities: the first pertains to the construction and assembly of structural components for commercial aviation (tailplanes, fuselage panels, etc.) for which it has official qualifications, the other sector of activity pertains, in fact, to the design and manufacture of prototypes and production units for light or ultralight aviation. The distribution network of Tecnam aircraft can rely today on dealers in all major countries. The Company's strategy is particularly dedicated on investing resources in research and development with the aim of continued refinement and upgrading of its products.

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Web: www.tecnam.com



Products

Certified

- P2002 JR – P2002 JF
- P92 JS

Ultralight

- P92JA BIRU
- P92-2000 RG
- PP96 Golf
- P2002 Sierra
- P92 ECHO – P92 ECHO Super
- P2004 BRAVO
- P92 SEASKY



ARIESPACE



Satellite Solutions for Agriculture

ARIESPACE is a SME established as the first **spin-off** of the **University of Naples Federico II**. With over 15 years of experience in the field of solutions based on **Earth Observation (EO)** techniques, **machine learning algorithms**, **biophysical models** and **geo-spatial applications**, Ariespace provides solutions, services and consultancy for the monitoring of agricultural and forest resources. The Mission is to make available and easily usable satellite data for the operational application. The team is composed of researchers, agronomists, engineers and software developers. It combines the habit of scientific research with the dynamism of a group of experienced professionals. **We actively participate in EU research projects.**

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Product & Services



irrisat®

Detection of irrigated areas, Estimation of Irrigation volume & Irrigation advice system based on satellite images (and machine learning algorithms (www.irrisat.com) approved by the State-Regions conference (Ministerial Decree MIPAAF of 31 July 2015).



nutrisat

Monitoring Nutritional deficit of tomat and Wheat using satellite data



MapTime Explorer

Map Time Explorer www.maptime-explorer.com is a Web-GIS platform developed to explore the time series of satellite images, allowing easy visualization of any geographic data.

Customers

Regione Campania, Consorzio di Bonifica del Bacino inferiore del Volturno, Consorzio di Bonifica integrale di Sarno; Consorzio di Bonifica Del Sannio Alifano, Consorzio di Bonifica di Paestum, Consorzio di Bonifica del Destra Sele, Consorzio di Bonifica dell'Agropontino, Consorzio di Bonifica di Sora, Consorzio di Bonifica della Valle del Liri, Consorzio di Bonifica 1 Trapani, Consorzio di Bonifica della Sardegna Centrale, Consorzio di Bonifica della Sardegna Meridionale

Research

Last EU funded Projects

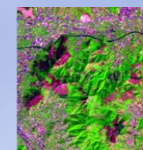
COALA - www.coalaproject.eu
 Landsupport, www.landsupport.eu

ASI –Esa funded projects

Hyperfuel, User, Irde Service



Mappa delle aree incendiate
Parco Nazionale del Vesuvio (2017)



Aree percorse da incendio
Parco Regionale di Diacromare – Immagini satellitari in falsi colori



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