



*Vision of the future*  
**OPTRONITALIA**

*COMPANY PROFILE*



**GROSSETO** Via Birmania n. 113 ITALIA Tel.+39 0564 455595 Fax.+39 0564 456332  
[www.faezi.it](http://www.faezi.it) [info@faenzi.it](mailto:info@faenzi.it)



**GROSSETO** Via Birmania n. 109 ITALIA Tel.+39 0564 451290 Fax.+39 0564 469023  
[www.optronitalia.it](http://www.optronitalia.it) [info@optronitalia.it](mailto:info@optronitalia.it)



## COMPANY PROFILE

FAENZI srl and OPTRONITALIA srl depart, as enterprising activity, from mother/Enterprise FAENZI GIANCARLO & C. snc, settled since 1970, which has always been acting and related since its beginning and its establishment, to the companies' same activities, that in this moment are present and carried out in the two operative companies of FAENZI Group.



### FAENZI srl

This company was established in 2001 and it has taken the part of the company FAENZI Giancarlo & C snc.

Hence by transaction property, it takes care, since at least the latest 38 years, as about: designing, manufacturing, installation and maintenance of the optoelectronic systems for the monitoring and the surveillance of the environment and wide territorial areas, both in military as well as in civilian field.

FAENZI srl has patented some of its own systems produced, manufacturing in accordance to production quality standard procedures Certified ISO 9000. The point systems provided by the company are:

Multi-spectrum systems for prevention and manual or automatic detection of forest fires.

Optoelectronic systems of vision under any weather conditions, for computerized control of military targets.

Intelligent vision systems for fixed installations, mobile re-locatable, vehicular or boats for patrolling of widely extended operative areas.

High sensitivity visible spectrum video-cameras, infrared in the band NIR, SWIR, MWIR, LWIR, for the industrial production control, environmental supervision, study and census of the wildlife, ports and airports' control, borders' surveillance.

The company is one of the founding members of the Technological Pole CONTEST (Tuscany Special Technologies Consortium), which counts HIGH TECH Companies, operating in various fields such as: Aerospace, Energy, Iron/Steel Industry, Mining Industry, Environment.



**OPTRONITALIA**



### OPTRONITALIA SRL

Acts in synergy activities together with FAENZI srl for implementation of products and projects of R&D. It is responsible for the construction of: the mobile systems U.G.S.

(Unattended Ground Systems), of the imaging and aiming systems ARES, of the V.V.S.

(Vehicular Video Systems) and of the M.P.S. (Marine Patrol Systems).

For the realization of such products knowledge and activities' Technologies' area space from camera systems in the visible spectrum, infrared NIR, SWIR, MWIR, LWIR, to the telecommunications field, to the implementation of image analysis software and of artificial vision, to the production of stainless steel made technological part-components, also aluminium or composite materials made.

Its plant occupies a covered area of about 3.000 sqmt. which are furnished by equipments and instrumentations of latest generation. There are located 3 dedicated laboratories for the optoelectronic, the telecommunications, the PCB production, one micro-mechanics workshop with installation of CNC machining and one department for the manufacture of parts made of composite materials, such as Carbon-Kevlar.

The R&D division can satisfactory comply with all the different requests and requirements arising from the various National and/or International cooperation programmes and complex systems achieving customer specification and demand.





**RESEARCH**

The current activities related to applied R&D at NATIONAL and INTERNATIONAL level are :

International R&D Consortium for technological cooperation, together with Polytechnic of Madrid and Polytechnic of Athens for the realization of an innovative searching & rescuing system for injured and buried people, under collapsed buildings rubbles and ruins in case of catastrophic , natural events , such as hearth-quakes and collapses, integrated with a mobile ITC platform of local and satellite telecommunications.

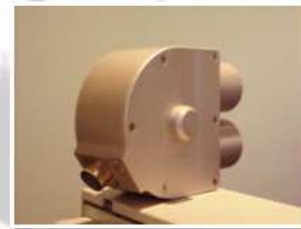
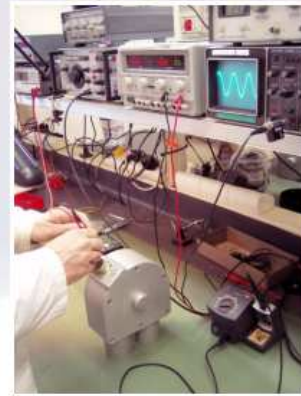
Technological Cooperation with reference to another International R&D Consortium , to which also belong the Polytechnic of ATHENS , ALCATEL LUCENT , WIND and various other partners, for the realization of an innovative system of environmental sensors, integrated on a mobile platform ITC of local and satellite telecommunications, for safety & security coordinated actions ,in case of Industrial and/or Nuclear -Chemical catastrophes.

Technological cooperation taking part to a R&D Consortium to which also belong FIAT Research, ANSALDO Transports and RINA, for the realization of sophisticated optoelectronic systems for automatic control of loading-unloading operations of cargo transport vessels.

Cooperation together with National Institute of Volcanology of Catania for monitoring of Etna volcano , cooperation together with ESA ( European Space Agency ) to achieve an optoelectronic system for supervision of the space motor engines under high vacuum conditions.

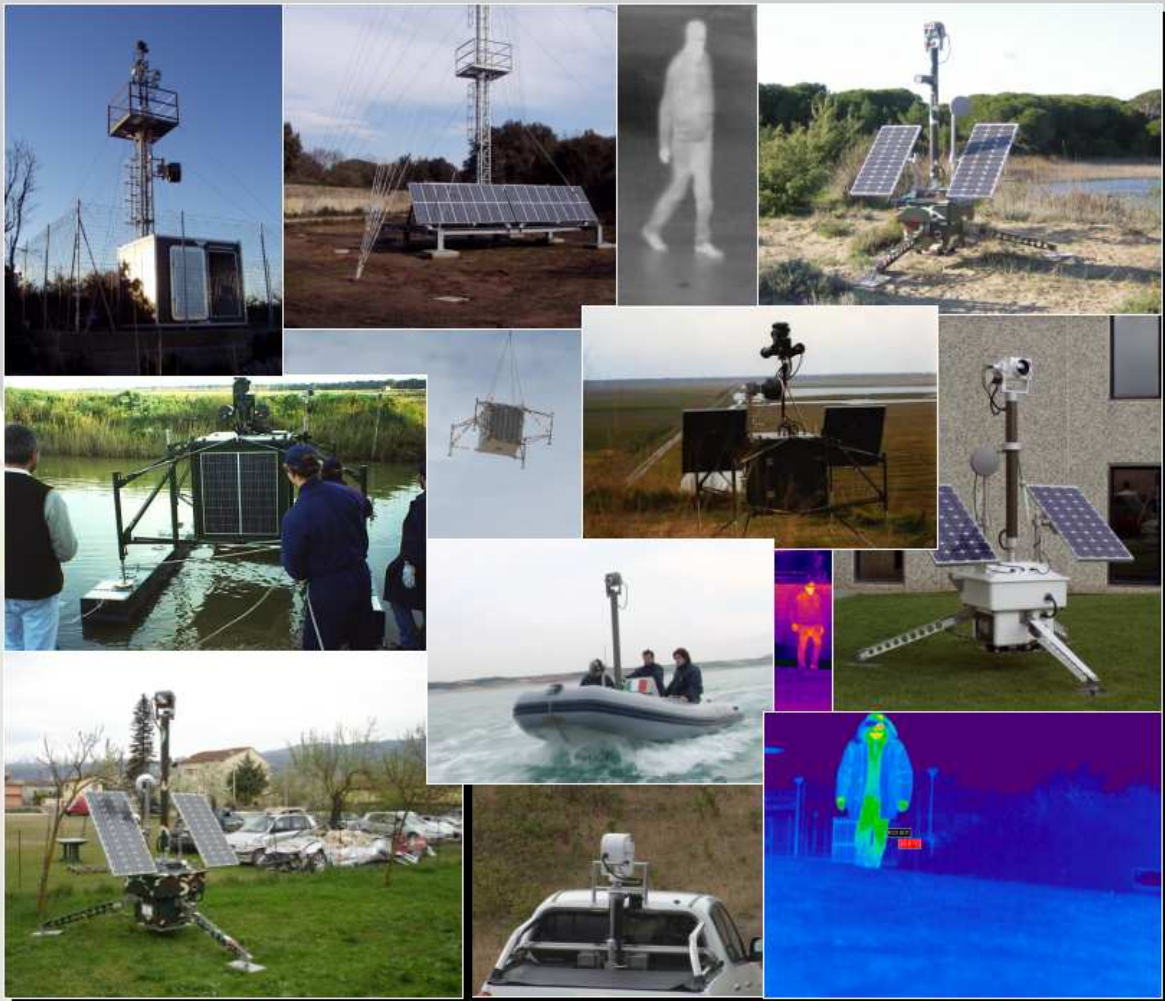
**SOME REFERENCES of Group companies FAENZI are :**

- Italian Republic Presidency General Secretariat.
- Italian Ministry of Agricultural and Forestry Resources.
- Italian Navy Special Corps.
- Italian Army General Direction of Terrestrial Armaments.
- Tuscany Region.
- Lazio Region Civil Corps of Engineers of Rome Works of Capital.
- Rome Municipality.
- Province of Grosseto.
- National Park of Circeo.
- National Park of Majella.
- National Park of Abruzzo.
- Regional Park of Maremma.
- Regional Park of Maritime Alps.
- Various Provincial Administrations and Municipalities of Centre of Italy.
- Mountain Community of Elba and Capraia Islands.
- Centre of European Research of ISPRA.
- University of Wien.
- Officine Galileo Firenze SMA Meteorological and Environmental Systems.





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