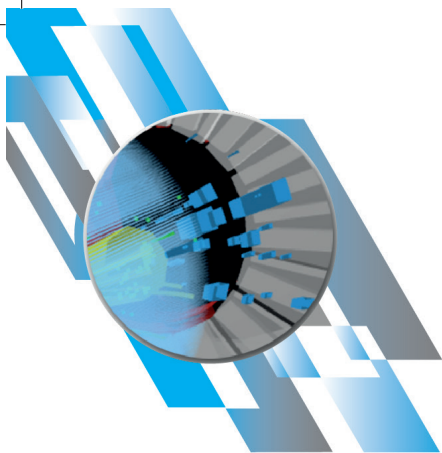


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Agilent Technologies

Agilent's Vacuum Products division (formerly Varian Vacuum Technologies) provides a broad range of state-of-the-art vacuum products to create, measure, maintain and control vacuum

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Tel. +39 011 9979111 - email: vpt-customer@agilent.com

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Marco Perini - Area Sales Manager - marco.perini@agilent.com

www.agilent.com



Agilent VIP 2000 Ion Pump

Agilent's Vacuum Products division (formerly Varian Vacuum Technologies) provides a broad range of state-of-the-art vacuum products to create, measure, maintain and control vacuum for your applications.

Agilent, the inventor of the ion pump, is the Ultra-High Vacuum technology and market leader, a one-stop supplier for Research, Scientific Instrumentation and Industrial applications, providing science researchers with total vacuum solutions for over sixty years.

We offer dry vacuum pumps from the ground up, from rough vacuum to UHV, as well as the vacuum measurement instrumentation and leak detection you need to stay up and running.

The VIP200 Ion Pump, the first ion pump with maximum pumping speed at low pressure: extreme high vacuum performance, with enhanced pumping speed, new pumping elements design, optimized magnetic field, new vacuum firing thermal process, new heater design, most compact size.

VIP 200 is the right pump for XHV (eXtreme High Vacuum) and UHV (Ultra High Vacuum) applications in Research Centers, Universities and Laboratories, Particle Accelerators, Beamlines, Synchrotrons.

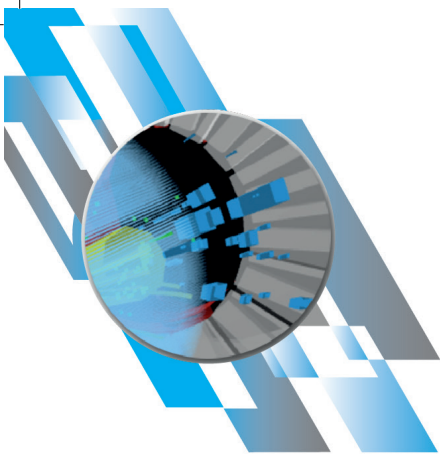
The breakthrough TwisTorr FS Turbo Pumps with Floating Suspension.

Agilent Floating Suspension ensures low vibration and acoustical noise, extended bearing operating life, exceptional stability for demanding application (SEM, MassSpec, ...). Unique patented TwisTorr stages deliver Best in Class throughput, high pumping speed and compression ratio, high foreline tolerance, low power consumption, low operating temperature.



Agilent IDP - 7 and 10 Dry Scroll Pumps

The IDP-series Dry Scroll Pumps, clean, dry primary vacuum, rapid pump-down, and quiet, low vibration operation deliver state-of-the-art vacuum value. Hermetic pump with motor and bearings completely isolated and protected from process gases to extend operating life; optional integral inlet valve available adds no extra height at the inlet, Fixed Motor supports global input voltages. Designed specifically for low noise (<50 dBA) and low vibration (built-in vibration isolation).



Alca Technology design, build and test components and plants for scientific research along with the most prestigious and qualified industrial sectors and the University world

Via Lago di Garda 130 - 36015 Schio (VI) - Italy
Tel. +39 0445 500064 - info@alcatechnology.com

Contact:

Andrea Lanaro, CEO - andrea.lanaro@alcatechnology.com
Fabrizio Anselmi, Legal Representative - fabrizio.anselmi@alcatechnology.com

www.alcatechnology.com

Alca Technology Srl exploits the three decades of experience of its founders to create, design, build and test systems and components to be used in research centres, universities and firms that are highly specialized in the Thin Film industry.

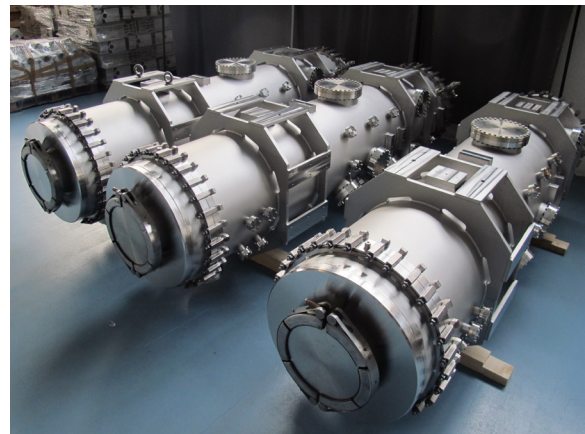
Our company has always pursued a single goal: that of creating a dynamic, youthful, flexible firm providing practical assistance to researchers and companies that require high-quality components with high added value. This line of thought has allowed us to grow, both from a professional and human resource point of view, in a consistent and balanced manner over recent years.

The ISO 9001:2008 certification achieved right at the beginning and a long series of further qualifications gained by our technicians, are clear evidence of the importance our company gives to all its employees and the constant effort it makes to pursue new and stimulating challenges that a market such as ours demands. Alca Technology Srl gives priority to the manufacturing culture that our particular geographic area has to offer: numerous highly specialised companies allow us to outsource dedicated aspects that are not foreseen within the company. This generates greater efficiency, flexibility and a decrease in costs.

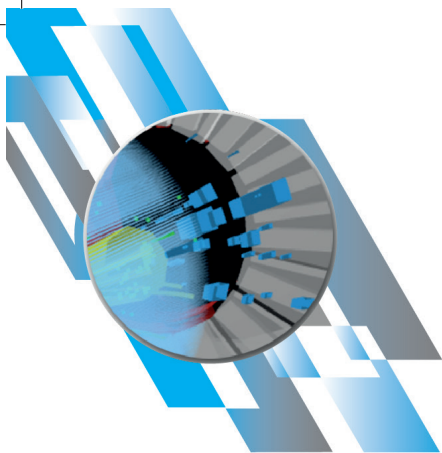
Being fully aware of the importance of delivery times for the success of large-scale projects, we focus considerably on production planning, using dedicated management software to interface with our Quality System. At present, taking into consideration its direct and indirect work force, Alca Technology Srl, offers employment to around fifty people, all highly specialised and trained to exceptional levels. Major multiple year contracts with leading international research centres, allow us to maintain a confident view of the future and to continuously invest in training and involvement of our staff.



CERN Vacuum Chambers



CERN Target Bases



Angelantoni Test Technologies is offering a broad range of environmental test chambers (ACS brand) and vacuum equipment for thin film deposition (Kenosistec)

Località Cimacolle 464 - 06056 Massa Martana (PG) - Italy
Tel. +39 075 8955200 - info@acstestchambers.it

Contact:

Andrea Principe, New Applications Project Engineer - andrea.principe@angelantoni.it
Lorenzo Manasse, Sales Area Manager - lorenzo.manasse@angelantoni.it

www.att-testing.com



Thermal vacuum chamber with combined mechanical and LN2 cooling system plus heating lamps

Angelantoni Test Technologies and the Vacuum Technology. ACS know-how and experience in the space simulators (HVC) field.

After the first space simulator (HVC) in 1988, Angelantoni Test Technologies became one of the leading manufacturers at international level, and a supplier for the most important worldwide Space Research Centers testing satellites, subsystems, and components worldwide. ACS key winning features: diameters ranging from under 1 to 10 m, shroud design to withstand high heat dissipations, different thermal systems to satisfy all needs. Main references: ISRO, KARI, ANGKASA, NSPO, GOKTURK, Thales, ESA, Intespace, Roscosmos, Lavochkin.

The ITER project

Thanks to its valuable experience in the HVC field, Angelantoni Test Technologies has been able to enter into ambitious research projects such as the ITER project.

1st step

Since December 2012 Angelantoni Test Technologies has been collaborating with Fusion for Energy (F4E) for the design, production, installation and test of the GVS for MITICA and SPIDER experiments of PRIMA facility, in detail: "Gas storage and distribution, Vacuum and gas injection Systems" for MITICA (Megavolt ITeR Injector & Concept Advancement) and SPIDER (Source for Production of Ion of Deuterium Extracted from Radio frequency plasma)..

2nd step

Starting from a detailed analysis of the technical specifications related to the project "Supply of Mitica and ITER Beam Sources", the consortium between Angelantoni Test Technologies and De Pretto will elaborate a list of activities for the realization of the project, to identify the most critical features and/or components which have the highest impact on the project both from construction and maintenance points of view.

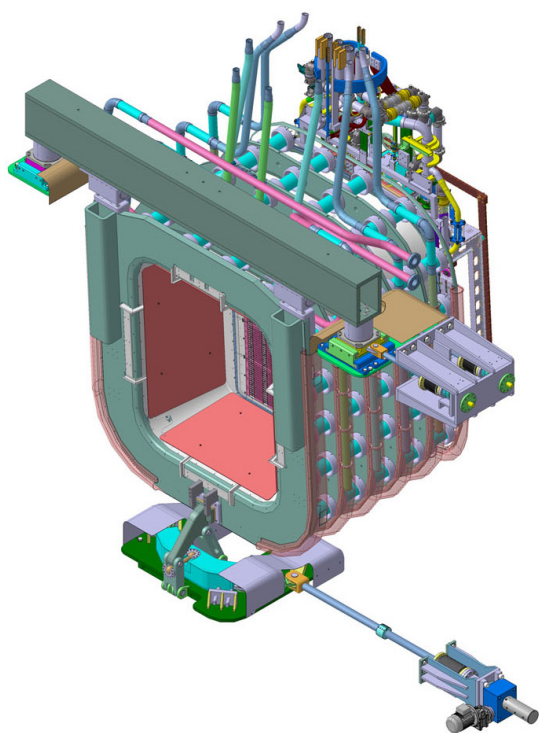
Vacuum equipment for thin film deposition

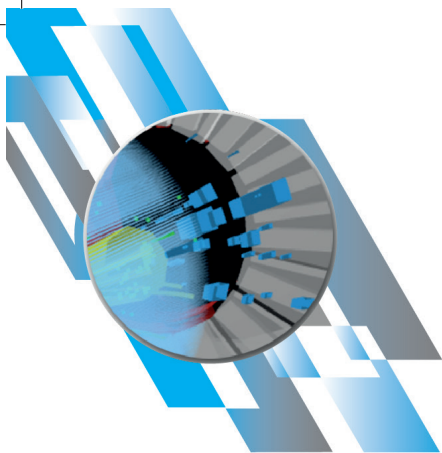
In 2005 Angelantoni widened its vacuum experience through the acquisition of the KENOSISTEC brand, specialized in the design and manufacture of systems for vacuum thin-film deposition using PVD and PECVD technologies.

Cryogenics

Angelantoni Test Technologies is now making investments in skills and innovation in order to approach cryogenic applications where cooling down to 3-4K is required.

Certifications: ISO9001, ISO14001





ASG Superconductors designs and builds superconducting magnets for high-energy physics, nuclear fusion, optimization of electricity grids and medical applications

Corso F.M. Perrone 73R - 16152 Genova (GE) - Italy
Tel. +39 010 6489 111 - info@as-g.it - sales@as-g.it

Contact:

Antonio Pellecchia, Sales Manager - pellecchia.antonio@as-g.it
Silvia Frigato Bonello, Sales Officer - frigato.silvia@as-g.it

www.asgsuperconductors.com

ASG is the world leader in the field of superconducting magnetic systems design, construction and testing capabilities for high energy physics and thermonuclear fusion applications. Its competencies range from design and manufacturing, up to testing of complete superconducting magnet systems.

The company's capabilities range from the design to the production and testing of superconducting magnets. ASG recently began diversifying its activities through its subsidiaries Paramed and Columbus Superconductors. In particular the company is broadening its reach into biomedical applications (diagnosis and therapy) and designing and developing magnetic systems for the energy industry (SMES, SFCL, wind turbines, energy transport systems).

ASG Superconductors collaborates, in Italy and abroad, with the leading companies in the industry as well as with the main scientific research institutes and centers.

ASG Headquarters, with administrative offices and four production bays covering 15,000 sq m, is located in Genoa. In 2010, after winning the international contract to build 10 superconducting coils for the ITER project, ASG built a new production facility in La Spezia.

Quality, Environment and Security are part of the most relevant duties of ASG Superconductors' policy and involve every aspect of the company's activities, from organization to design and manufacturing..

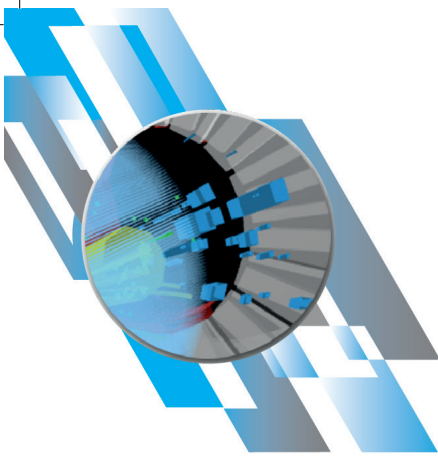
To maintain the highest standard of services and production quality, ASG Superconductors invests constantly in professional training and re-qualification of its employees.

It is corporate policy to hold regular qualification and certification courses for the personnel, with particular reference to: CAD, job management, informatics systems.

Aside from certifications obtained and maintained over the years, ASG can leverage expertise and excellences in design and productive traditions. The company's technology and design center - home to a multidisciplinary team of technicians, physicists and engineers - constitutes a reference point for all manner of requests coming from the industrial and research worlds.



"ASG 11.74 T MRI Magnet System



Founded in Mantua, Italy in 1947, Belleli Energy CPE defines solutions for critical process equipment for the hydrocarbon and power industries

G. Taliercio st 1, 46100 Mantua - Italy
Tel. +39 0376 4901

Contact:

Lorenzo Novellini, Sales and Marketing Director - lorenzo.novellini@belleli.it
Paolo Fedeli, CEO - paolo.fedeli@belleli.it

www.belleli.it



Primary Sodium Pump - Superphénix Nuclear Power Station, Creys-Malville, France

Founded in Mantua, Italy in 1947, Belleli Energy CPE defines solutions for the Gas Monetization, Oil & Gas Downstream and Nuclear markets. The in-house design, engineering and manufacturing allow the company to ensure integrity of materials, processes and products from raw materials through fabrication, to completed products.

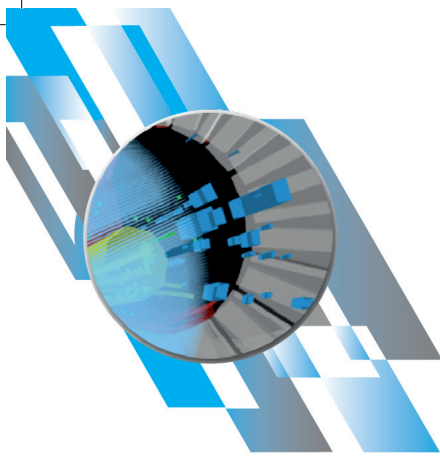
Its headquarters in Mantua (Italy), are the largest facility in Europe for producing heavy wall reactors, shell and tube heat exchangers. The plant has direct access to an international harbor, allowing to manufacture some of the world's largest equipment and to transport it from its own docks to facilities around the world.

With a total area of over 280.000 sqm and 60.000 sqm of covered buildings (including offices headquarters and workshops), Belleli Energy CPE owns one of the best equipped and referenced manufacturing facility to satisfy its clients requests. The combination of large spaces, big-size manufacturing and very favorable global shipping conditions enables Belleli to satisfy all kind of requests for sophisticated process equipment of any size and weight.



Shipment of Steam Generator for Nuclear Power Plant

Belleli Energy CPE's Quality Management System complies with the ISO – 9001 Standard, ASME Code Section VIII Div.1 & VIII Div.2 and also satisfies the European Pressure Equipment Directive 97/23/EC, Chinese and Russian Regulations. The company is periodically and successfully assessed by ASME, Det Norske Veritas, TUV, Chinese and Russian Delegations.



BREVETTI BIZZ

The company has a great experience and knowledge for the dry machining of composite materials, equipped with special exhaust systems, CNC machines that work with sintered tools

Via dell'industria - 37047 San Bonifacio (VR) - Italy
Tel. +39 045 610 2718

Contact:

Stefano Bizzaro, President - info@brevettibizz.com

www.brevettibizz.com

The firm was founded in 2000 in the industrial area of San Bonifacio, Verona (Italy). It has a covered surface of 1800 square meters and it represents an ideal firm for planning, research, development and production in the mechanic technical/applicable sector:

- Consultation, planning, research and development;
- Special mechanical manufacturing;
- Composite materials for high temperatures;
- Thermal treatments in high vacuum.

The structure of the firm is made by a complete department for mechanical manufacturing and one for thermal treatments and composited materials production.

The mechanical department offers machineries and devices for every type of mechanical productions, this made us capable of making equipment able to reach high temperatures for new generation materials production.

We work together with important suppliers, clients, laboratories, universities and European research studies; we are involved in progressive research of innovative solutions.



Place of production

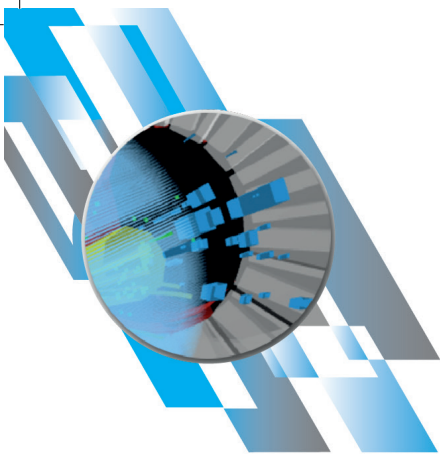
NEW MATERIAL
MoC6

Brevetti Bizz and CERN has developed new materials with:

- Very High Melting Point
- Low Density
- Outstanding Thermal Conductivity
- Very low Thermal Expansion
- Good electrical conductivity
- Fair Mechanical strength

Potential range of applications can be further expanded thanks to the tailoring possibilities of Molybdenum- Carbon composites

 **BREVETTI BIZZ** 



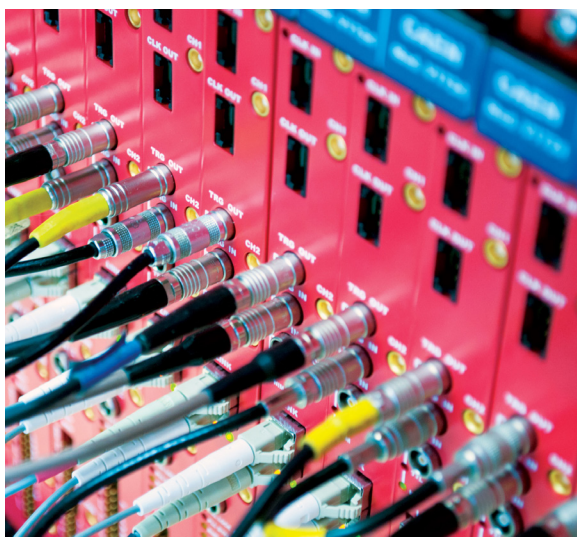
High/Low Voltage Power Supply systems and Front-End/Data Acquisition modules compliant with IEEE Standards for Nuclear and Particle Physics

Via Vetraia 11 - 55049 Viareggio (LU) - Italy
Tel. +39 0584 388 398 - info@caen.it

Contact:

Alessandro Iovene, Key Account Manager - a.iovene@caen.it
Franco Vivaldi, Vice President - f.vivaldi@caen.it

www.caen.it



Waveform Digitizers with Digital Pulse Processing

CAEN is one of the most important spin-offs of the Italian Nuclear Physics Research Institute, founded in Viareggio (Lucca) in 1979. CAEN designs and manufactures sophisticated electronic equipment for nuclear physics research and is today the world's leading companies in the field: there are several hundreds of thousand CAEN Low/High Voltage and data acquisition channels now working in all the most important Nuclear Physics Laboratories over the World.

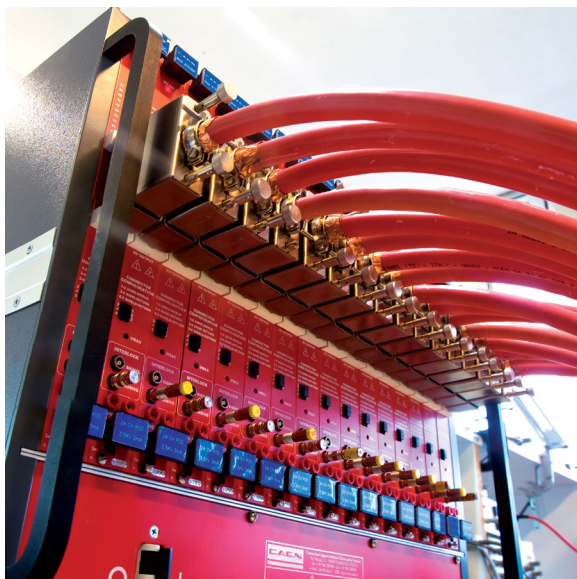
In the last years CAEN diversified its offer, extending its market, taking part into national and international programs and becoming a real "Innovation Company". In this way CAEN joined to its core business new experiences in new fields such as the UHF Radio frequency identification, the microelectronics, the aerospace applications, biomedicine, and homeland security.

CAEN is known today as the only company in the world able to offer, besides a complete range of power supply and data acquisition systems, a large choice of Front-End modules (NIM, CAMAC, VME, VME-64) implemented using ASIC (Application Specific Integrated Circuit) developed inside the company itself. CAEN has been involved in the design of sophisticated electronic equipment for nuclear and particle physics experiments in the Large Hadrons Collider (LHC) project at CERN, taking part to the development of the main experiments: CMS, ATLAS, ALICE. Most of the electronic circuits used in these experiments shall work in a very high radiation environment (5 KGauss) with high magnetic fields and quite difficult accessibility.

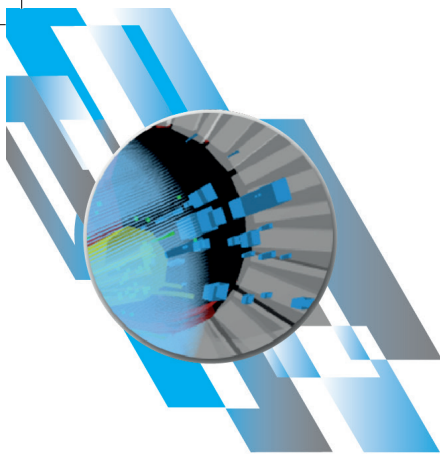
CAEN portfolio includes today more than 250 products, ranging from power supply systems to data acquisition boards and crates. Its catalogue is printed in 10.000 copies and widespread in all research centres all over the world.

Besides catalogue products CAEN offers custom solutions dedicated to the different customers' needs, which reach the 40% of the annual production.

The quality of its products is monitored during all the production cycle and guaranteed by the UNI EN ISO 9001:2000 certification obtained in 1997.



Multichannel High Voltage Power Supplies for Detectors



Performing precision mechanical machining of medium and large-sized components that require high quality standards

Via Privata Giuseppe Castellini 2 - 25046 Cazzago San Martino (BS) - Italy
Tel. +39 030 7256211 - sales@castellini.it

Contact:

Alessandro Negretti, Project Manager - alessandro.negretti@castellini.it
Rudi Fortini, Sales Manager - rudi.fortini@castellini.it

www.castellini.it

Established in 1949 in Northern Italy, Castellini Officine Meccaniche is specialized in performing precision mechanical machining of medium and large-sized components that require high quality standards.

We supply from single plant components to fully assembled equipment. The base of our work are documents. (Drawings /BOM/PartList), made available by our customers, to produce according to our strict Quality System and to special wishes and needs of our customers. In case of missing or not available documentation, if request, Castellini provides re-engineered components designed by our professional designer team and whereas possible can provide improvement and better the performance of the parts. Solid modelling and Finite Element analysis are extensively used to optimize the equipment engineering.

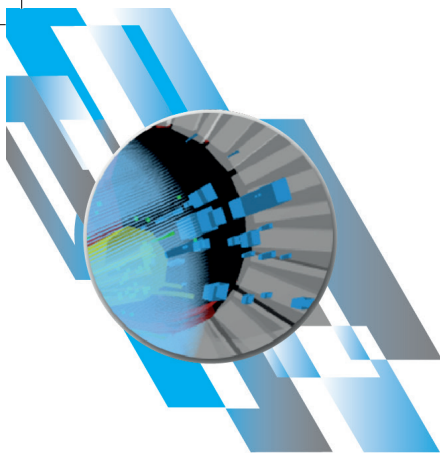
Components, correct dimensioning, selection of materials and treatments have been improved over the years to grant that all machines are designed for the best performances.



Fully automated process for laser welding of stainless steel inductors for ITER fusion reactor



Castellini workshop has top quality machining equipment, large assembly area and testing team. Turbine case during machining.



World leader in leading edge magnesium diboride (MgB₂) technology

Via delle Terre Rosse 30 - 16133 Genova - Italy
Tel. +39 010 8698100 - Fax +39 010 8698110
info@columbussuperconductors.com

Contact:

Giovanni Grasso - grasso.gianni@clbs.it

www.columbussuperconductors.com



Columbus Superconductors headquarters in Genoa, Italy

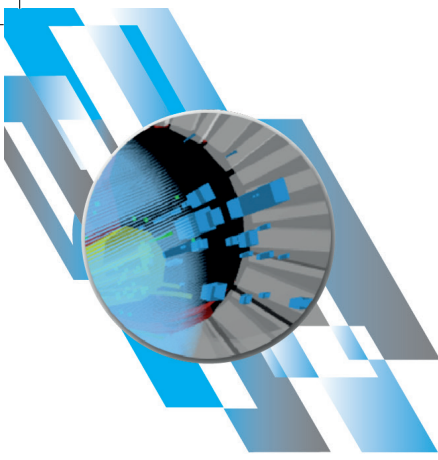
Columbus Superconductors S.p.A. was founded in Genoa in 2003 as a joint venture between ASG Superconductors S.p.A. and CNR/INFM, a leading Italian public research institute on materials science with know-how and IPR on superconducting wire development. This company focused on the R&D and commercialization of new superconducting materials like MgB₂.

Columbus has developed a proprietary method to manufacture MgB₂ wires by the so-called ex-situ process, in such a way that its products are mechanically robust, reproducible and exceptionally low cost compared to the other HST currently developed in form of long conductors. The reliability of the MgB₂ wires produced by Columbus has been already demonstrated by the realization and successful operation of a number of real-scale prototype devices each consuming several Km of conductor, such as open-MRI systems, induction heaters, fault current limiters and numerous other solenoid and pancake magnets.

Columbus is currently supplying Cern with several hundreds of kilometres of MgB₂ round wires, which are used to validate and then implement very high current power links for the Hi-LUMI upgrade.



Typical MgB₂ wire cross section



Electrical and Control System Engineering, MV/LV Switchgears, MV/LV Substations, Industrial Automation Systems, Hazardous Area Applications, PLC-SCADA-HMI software developments

Via Monza 102 - 20060 Gessate (MI) - Italy
Tel. +39 02 9292901 - info@cearsistemi.it

Contact:

Alessandra Ranno, Resp. Marketing - alessandra.ranno@cearsistemi.it
Angelo Vittorio Riva, Senior Sales Manager - angelo.riva@cearsistemi.it

www.cearsistemi.it

Costruzioni Elettrotecniche Cear srl has been operating in the electro-technical and electro-instrumental sector for over thirty years, offering "Integrated systems from bit to kiloVolt". The extensive experience of the Cear team has been consolidated over time through partnerships and collaborations established with leading companies in the field of complex industrial plants, and with national and international engineering companies and EPC contractors.

The company's technical solutions have evolved in step with the needs of its customers, to offer a complete range of products and services: from feasibility studies to the design and construction of transformer and electrical distribution substations, complete industrial automation systems, Low and Medium Voltage switchgears, Hazardous Area Electrical Equipments.

An international vocation, contact with key industrial sectors, and a constant striving for innovation, while maintaining high quality standards and safety, rapidly led the company to be certified in line with the international ISO 9001 standard, ensuring top quality production processes and, above all, high levels of customer satisfaction.

Today, Cear stands out on the market for its ability to develop integrated electrical distribution and industrial automation systems: tailor-made solutions and complete electrical and electro-instrumental "turnkey" supplies stemming from the extensive know-how of our engineers, ever attentive to customer needs and plant complexities.

Cear guarantees tailor made and turnkey solutions: a product designed, installed and tested as result of a one-stop partner that delivers "on field" your project. Our Main activities are:

- Electrical, Instrumental and control engineering
- Electrical Substations and L.E.R. Building*
- MV/LV Switchgears*
- Complete Industrial Automation Systems*
- PLC-SCADA-HMI software development
- Commissioning and start up
- After-sales activities

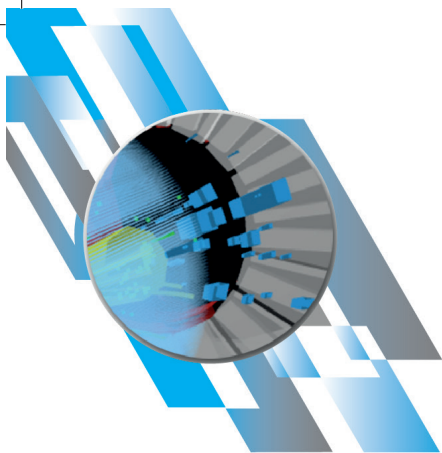
* Available also for Hazardous Area



Integrated F.A.T. for Complete Automation System



A view of Cear's workshop



Criotec Impianti is an Italian SME specialized in cryogenic, high vacuum and turn-key equipment for several research and industrial applications

Via F. Parigi 32/A - 10034 Chivasso (TO) - Italy
 Tel. +39 011 9195200 - criotec@criotec

Contact:

Mr. Marco Roveta, Sales Manager - marco.roveta@criotec.com

www.criotec.com



Design and manufacturing in clean area of Gas mixing panels



Design and manufacturing of a Skid mounted helium purification system

Criotec Impianti is an Italian SME founded in 1988, specialized in cryogenic, high vacuum and turn-key equipment.

The company is able to manage the whole process, from the analysis and design to the manufacturing, test, on-site installation and commissioning.

Its main products are:

- LHe cryostats
- Special cryogenic systems
- Cryogenic transfer lines for LIN, LAr, LOx.
- Multipipe cryogenic transfer lines for LHe.
- High vacuum equipment
- TVC (Thermal Vacuum Chambers) with temperature control down to 10K
- Thermal cycling chambers
- Active and passive cryogenic thermal shields
- Stainless steel piping for pure gas distribution
- Cryogenic vaporizers
- Aerospace components.

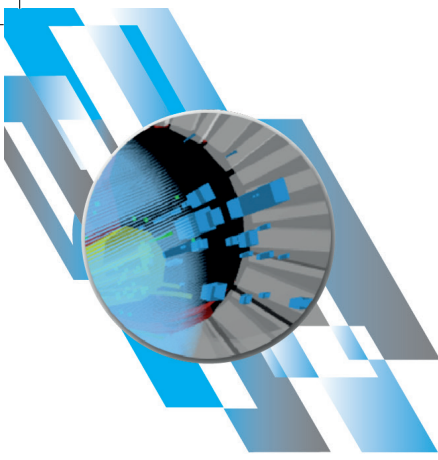
Moreover, since 2010, Criotec became a world leading company in the manufacturing of CIC (Cable-In-Conduit) conductors of Nb3Sn and NbTi, especially for ITER project.

Criotec most important customers are the Italian, European and Worldwide research centres, like CERN in Genève, where in collaboration with their engineers and physics we achieved significant successes relating LHC and CMS experiment. A fundamental experience of quality and quantity that has brought us to receive from CERN the "CMS Gold Award" in 2005.

The collaboration with of fundamental research facilities is a source of continuous incentives for Criotec. Move the limit "beyond" is the working method that is acquired working in close contact with researchers.

During the development of a project, engineers and technicians of Criotec work together with technicians and researchers of the laboratories. Starting with a basic specification that outlines the final product, the skills and experiences of Criotec join with customer knowledge to the best outcome of the project. The advantage of the constant technical progress and enterprise technology has a positive impact also from a commercial point of view for industrial customers who found in Criotec a high-profile partner for the realization of its plants.

Criotec is certify according to EN ISO 9001 and EN ISO 3834-2. Moreover, is available for special application a test facility in a clean room ISO8 (class 100.000).



SCIENCE SOLUTIONS

DB SCIENCE produces RF amplifiers, RF generators and other microwave equipment for research institutes, particle physics, nuclear engineering and medical therapy

Riviera Maestri del Lavoro 20/1 - 35127 Padova - Italy
Tel. +39 049 8700588 - info@db-science.com

Contact:

Massimo Rossi, Managing Director - m.rossi@db-science.com
Beatrice Martin, Contracts Manager - beatrice@db-science.com

www.db-science.com

DB Science produces RF amplifiers, RF generators and other microwave equipment suitable for research institutes, particle physics, nuclear engineering and medical therapy. Thanks to the scientific progress, today we can defeat diseases that were a plague for humanity.

The main characteristics of RF amplifiers and generators made by DB Science are:

- Power up to 500 kW cw or pulsed
- Solid state or tube technology
- Air, liquid cooling
- EPICS compatible.

We are proud to give our commitment to those medical applications that contribute to the treatment of serious diseases and cancer. We have realized equipment for the most important scientific projects: LINAC4 (CERN), SPIRAL 2 (Ganil).

Moreover, we have realized equipment for the most innovative European project, European Spallation Source (ESS) in Lund, Sweden, committed to constructing and operating the world's leading facility for research using neutrons. Designed to generate neutron beams for science, ESS will benefit a broad range of research, from life science to engineering materials, from heritage conservation to magnetism.

Some of our high customized solutions:

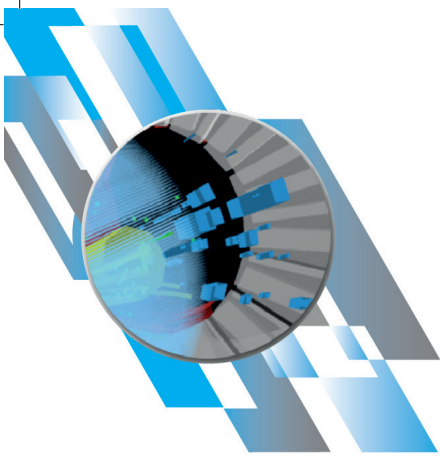
- CERN (Switzerland - France)
- LPSC (France)
- Ganil (France)
- Institut de Physique Nucléaire d'Orsay (France)
- INFN (Italy)
- Sincrotrone Trieste (Italy)
- Uppsala University, (Sweden)
- Imperial College London, (UK)
- Goethe Universität (Germany)
- GSI (Germany)
- Inter-University Accelerator Centre (India)
- MedAustron (Austria)
- Universidad de Huelva (Spain).



CERN Linac 4 35+35 kW



UPPSALA ESS



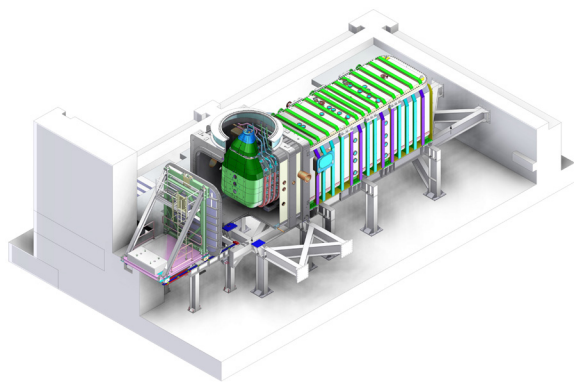
Engineering, fabrication and testing of tailor made equipment and mechanical components for nuclear research, plasma physics research and particle accelerators

Via A. Fogazzaro 5 - 36015 Schio (VI) - Italy
Tel. +39 0445 691 511 - info@deprettoindustrie.it

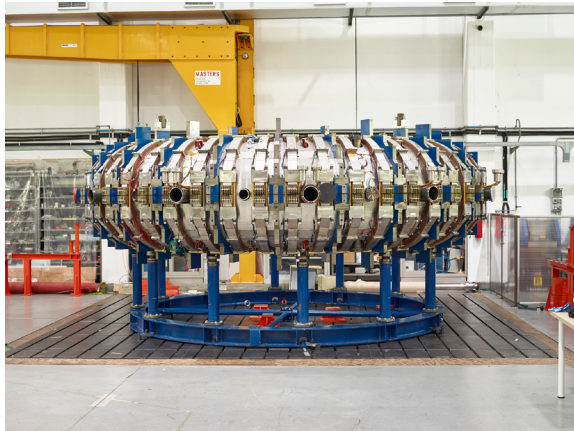
Contact:

Diego Ruaro, Sales Manager - Diego.Ruaro@deprettoindustrie.it
Jody Binotto, Key Account Manager - Jody.Binotto@deprettoindustrie.it

www.deprettoindustrie.it



MITICA vacuum vessel and beam source



Tokamak vacuum vessel for the Reversed Field eXperiment

De Pretto Industrie has more than 130 years of experience in providing tailor made products that require engineering, welding, precision machining, system integration and, whether it is necessary, on-site activities to the major research projects.

Within the research on particle physics and nuclear fusion, we can deliver either UHV components or integrated systems of medium and big dimensions. In addition to the fabrication capabilities, a team of engineers can also design special tools necessary for the handling or control of heavy equipment.

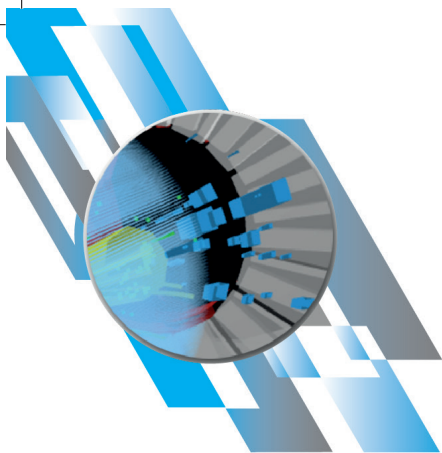
With our welding engineers and technicians, we have developed strong experience in welding stainless steel for vacuum applications, and also in welding or brazing other materials like copper, Inconel and Hastelloy. In addition to a dedicated welding department, the whole fabrication process is covered with also a machining department, an assembly area and a CMM machine.

On-site interventions for upgrades and modifications of existing equipment are covered by the experience and skills of our technicians delivering customized special solutions.

Some of the most relevant references:

- Fabrication of the MITICA vacuum vessel. A stainless steel vessel of more than 200 cubic meters for UHV applications in ITER Project.
- Design endorsement of the MITICA Beam Source (RF ion source with 1 MV accelerator), which is the heart of the Neutral Beam Injector for ITER, and carried out in consortium with ATT.
- On-site modification of the TCV Tokamak of the Swiss Plasma Center in Lausanne. On-site modification of the vessel, fabrication of its new ports, installation on-site and vacuum test.
- NBI Exit Boxes for the Stellarator W7-X of the Max-Planck-Institut für Plasmaphysik. They were made of forged OFHC Copper sectors, each of them vacuum brazed to the others and to stainless steel pipes, and then vacuum tested.

Certifications: ISO 9001, ISO 14001, OHSAS 18001, ISO 3834, EN 1090-2 and ASME U-Stamp.



Dimensione SpA is a General Contractor, with over 30 years of experience in Italy and in foreign countries

Via VIII Marzo 8 - 10095 Grugliasco (TO) - Italy
Tel. +39 011 4066111 - e-mail: gara@gruppodimensione.com

Contact:

Marie Chantal manenc, Direttore commerciale - manenc@gruppodimensione.it
Francesco Canepa, Resp. produzione estero - f.canepa@gruppodimensione.it

www.gruppodimensione.com

Dimensione S.p.A. has been able to succeed as general contractor specialized in the sectors of services, industry, trade, health and executive offices; it is specialized in execution of healthcare facilities, office buildings, executive offices, fit out, and refurbishment of bank and insurance branches, facility management.

Around this core, other companies have been implanted, which have powered the know how in design and execution. These subsidiaries act and interact with each other and with other prestigious national and international players.

Our management is pragmatic and flexible. It is always listening so as to be able to customize your projects and executions. Our aim is to grant responsiveness and the best solutions for design and construction.

We are able to meet the challenges that come into our way. To this purpose, we pay particular attention to innovation, competitiveness and efficiency, without forgetting the priority of the respect for ethics and for the environment.

To remain leader in the sector of general contracting, we make use of the best and most advanced ingredients thanks to continuous research and training.

Our certifications:
QUALITY MANAGEMENT
UNI EN ISO 9001:2008

OCCUPATIONAL HEALTH
AND SAFETY MANAGEMENT
OHSAS 18001:2007

ENVIROMENTAL MANAGEMENT SYSTEM
ISO 14001:2004

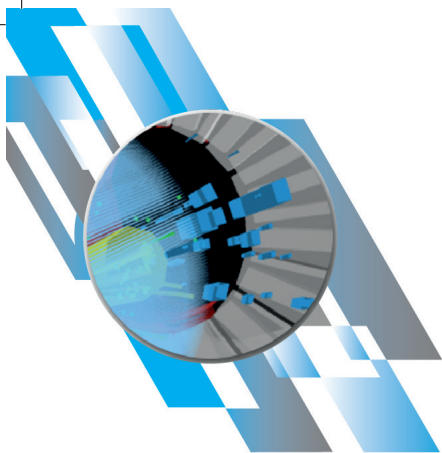
Certificate for the operation and maintenance of thermal chillers, air conditioning system and water treatment system in health facilities.



Construction of the extension of an existing building for office and laboratory



Construction of a new fitness center Virgin Active_ mechanical installations



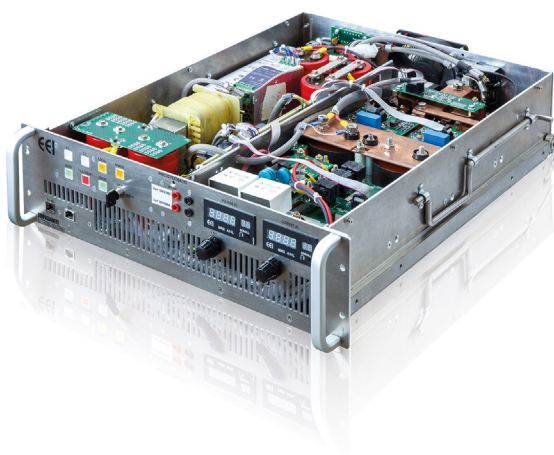
EEL designs and manufactures a complete range of Power Supply for magnets to be used in particle accelerators. These drives are available in different solutions

Viale dell'Industria 37 - 36100 Vicenza (VI) - Italy
Tel. +39 0444 562988 - uffcom.segreteria@eei.it

Contact:

Ing. Emanuele Massarelli - uffcom.emassarelli@eei.it
Eleonora L. Martin - uffcom.segreteria@eei.it

www.eei.it



EEL's mission started in 1978 coming from a consolidated experience in the sector of power electronics, automation systems and manufacturing technologies for different industrial processes. We were able to combine the best electronic technology with our design skill.

Our deep knowledge of production processes could provide the best solutions to our customers.

Over the past thirty years, EEL's growth has been gradual and continuous, reaching today's over three thousand systems running worldwide.

Today, EEL is the centre of a group of companies working in synergy, each bringing its own capacity, resulting from an exchange of knowledge and continuous research, to the market. Our golden rules are:

- A continuous research for advanced, innovative solutions in industrial control systems and energy conversion.
- To maximise the performance of the mechanical equipment on the basis of specific needs of the client.
- To ensure top level quality and service to customers from the preliminary system design in cooperation with them to the commissioning, and during the working life of the system.



As further demonstration of quality, EEL is member of the Crei-Ven Consortium, an approved "competent body" equipped with EMC measurements laboratory, anechoic chamber and sophisticated instruments for the tests of products that have to comply with European Standards regarding the Electromagnetic Compatibility. On the basis of our know-how and experience consolidated in thirty years of activity, our production range includes several applications for special systems and for research laboratories.

We underline that EEL became an approved "Research Laboratory" by the Italian Ministry for Scientific Research in 1996.

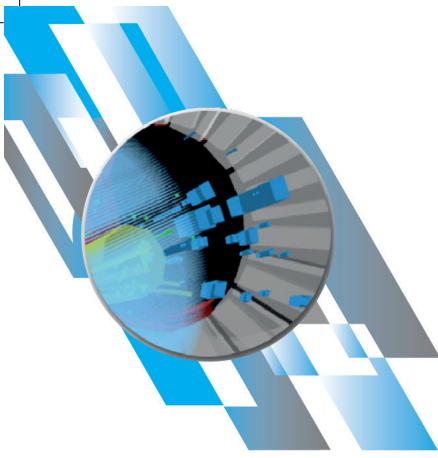
This approval has an important value:

A proof for EEL customers of our experience, production capacity and the state-of-the-art of our technology because we have our own application research facilities;

Innovative applications developed by EEL have often become technical references for the market.

EEL works on approximately 500 projects a year.

Our experience of special systems and experimental apparatus cover many industrial sectors.



OCem **POWER ELECTRONICS**

OCem creates power systems for premier research labs around the world. Its solutions are enabling advances in the fields of plasma physics, particle physics & medical research

Via della solidarietà 2/1 - 40056 Valsamoggia (BO) - Italy
Te. +39 051 6656611 - power@ocem.com

Contact:

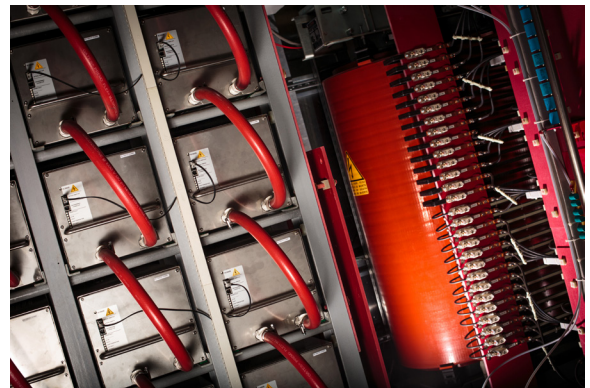
Miguel Pretelli, Business Development - miguel.pretelli@ocem.com
Giuseppe Taddia, Power Electronics Manager - giuseppe.taddia@ocem.com

www.ocem.eu

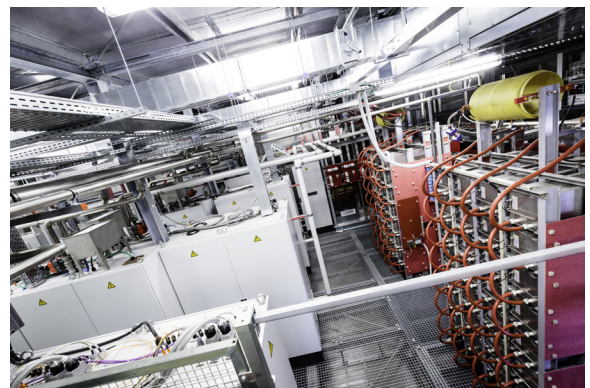
OCem Power Electronics creates power systems for premier research laboratories around the world. Its customized power systems and solutions are enabling advances in the fields of plasma physics, particle physics and medical research, and driving advanced industries such as transportation and food processing. Over the last several years OCem engineers have developed and patented new power electronics technologies, and have authored, presented and published dozens of papers at conferences around the world. The company has supplied power converters to more than 50 research facilities in more than 20 countries, including four Nobel-Prize winning labs.

Since 1943 OCem Power Electronics has supplied:

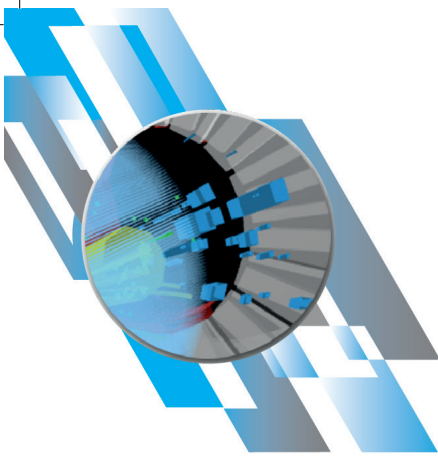
- Highly stabilized current power converters for magnets and coils
- High voltage modulators
- Power supplies for RF systems
- High voltage power converters for IOTs, gyrotrons, tetrodes, klystrons
- Pulsed power converters
- Capacitor Chargers
- Railroad converters and gearboxes.



Turn-key systems: ISEPS for ITER



Example of OCem's customized power systems



Design, Construction, Maintenance of Fire Fighting System and Fire Detection, Smoke Filters, Anti-Intrusion. From 25 Years Leaders Field Fire

Strada Basse Dora 75 - 10093 Collegno (TO) - Italy
Tel. +39 011 720626 - info@esseci-antincendio.it

Contact:

Giorgio Calestani, Direttore Tecnico - g.calestani@esseci-antincendio.it
Romeo Trentadue, Responsabile Commerciale - r.trentadue@esseci-antincendio.it

<http://www.esseci-antincendio.it>



Foam system - Port of Genoa - Italy

25 years of experience and over 1.250 achieved systems; 2 operational offices (Italy and Argentina); Certified ISO 9001.

Esseci works in design, realization and maintenance of fire detection, fire extinction and smoke control systems (pressure differential systems), with a specific know how and a recognized experience developed by achieving new installations and several industrial reconversions . The enterprise ensures firefighting protection for civil plants, and also industrial, energetic, naval, railway, Oil & Gas, museums, hospitals, offering tailor-made solutions. Esseci achieves systems for every location and environmental situation, coherently with architecture, activity and nature of the goods to protect.

Esseci offers a large variety of materials and services: from mobile equipment to composites of fixed installations, from engineering to installation in construction site, from the production to the client support for maintenance, fixing and update.

Esseci works in specific risk areas, where is required the experience and the knowledge of needs, regulations and non-ordinary environments; guarantying quality, reliability and rapidity.

Esseci has the required experience to apply international regulations and it is able to achieve an accurate and complete technical documentation in order to make the installation and the maintenance accessible to the final customer.

The company is constantly active in Research and Development activities, owner of patents and own brands: PowerSol, QSLAVE, QSLAVE-SM, Sistem Open 90°.

FIRE EXTINGUISHING SYSTEM:

Foam, Water Mist, Sprinkler, Novec, FM200, IG55, IG100, IG01, CO2, Potassium aerosol, Powder

FIRE DETECTION SYSTEM:

Smoke detection, gas detection SMOKE CONTROL SYSTEMS:

Our Pressure Differential Systems Kits have a test report and EN UNI 12101-6:2005 Certificate of Conformity

MAINTENANCE:

Expert staff and cutting-edge specific equipment enable to keep, treat and maintain efficient clients' systems

STRENGTHS:

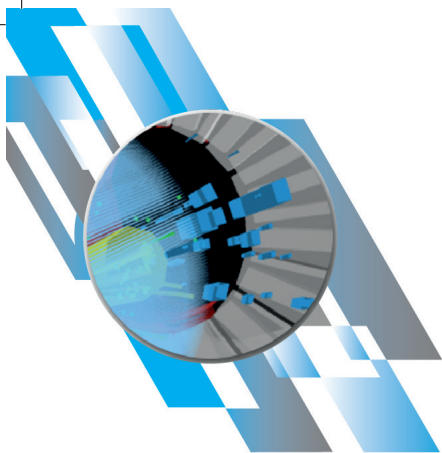
Expert and funded management Expert technicians

Knowledge of the most important firefighting regulations: NFPA, Factory Mutual, EN UNI, IMO, BS, VDS

Innovation/Research



Dry sprinkler system - Business District "Piero della Francesca" - Turin - Italy



EUROCONTROL

Eurocontrol has the expertise and the infrastructure to design, develop and manufacture systems and subsystems for various electronic Defense applications mainly naval

Via Varenna 52A - 16155 Genova
Tel. +39 010 422511 - info@eurocontrol-spa.com

Contact:

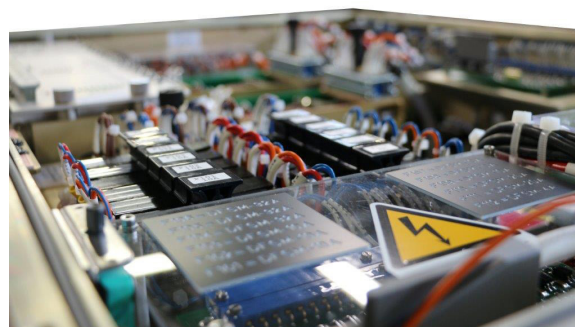
Daniele Zaccagnino, Ufficio Commerciale - daniele.zaccagnino@eurocontrol-spa.com
Barbara Barnato, Ufficio commerciale - barbara.barnato@eurocontrol-spa.com

www.eurocontrol-spa.com

Eurocontrol Spa is a privately owned company based in Genoa, Italy, established in 1970. Employing a staff of 56, mostly university graduates and qualified technicians, the company has the expertise and the infrastructure to design, develop and manufacture systems and subsystems for various Defense applications, mainly naval.

Eurocontrol designs electrical and mechanical projected power and control systems, such as static converters and inverters, remote operating consoles, variable speed drives, UPS, battery chargers, motor starters (for pumps, compressors and other on board motors), EODs, stabilized platforms and special electric motors. The systems developed by Eurocontrol comply fully with EMI/EMC, shock, noise, vibration, and environmental requirements. Eurocontrol Spa is certified ISO 9001:2008, BS OHSAS 18000:2007, ISO 14001:2004 and is Export Regulation Compliant.

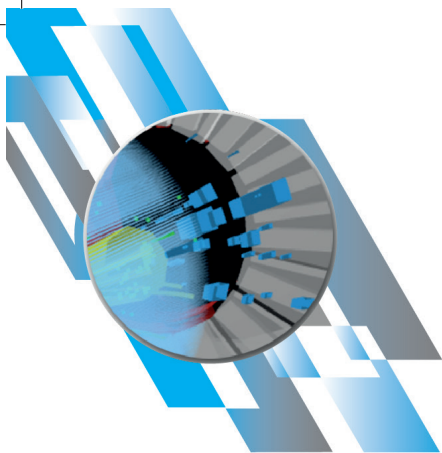
We work directly and indirectly with several Shipyards and Navies all around the world, and our products are on board of some last generation ships (also MCMV) and submarines.



Custom designed electric cabinet to drive motor on board of a submarine, Eurocontrol designs both the mechanic and electrical projects



Eurocontrol starts the design activities from the technical specification, and then takes care of all the aspects of the work until the final acceptance test



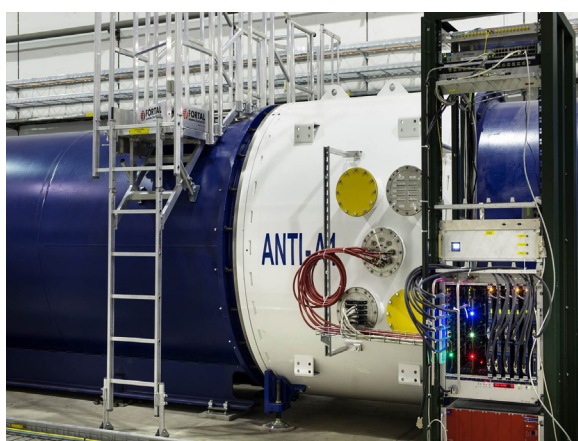
Designer and manufacturer of customized plants, structures and equipments for physics and nuclear fusion research

S.P. 12 n° 52 - 03012 Anagni (FR) - Italy
Tel. +39 0775 77491 - info@fantinispaspa.it

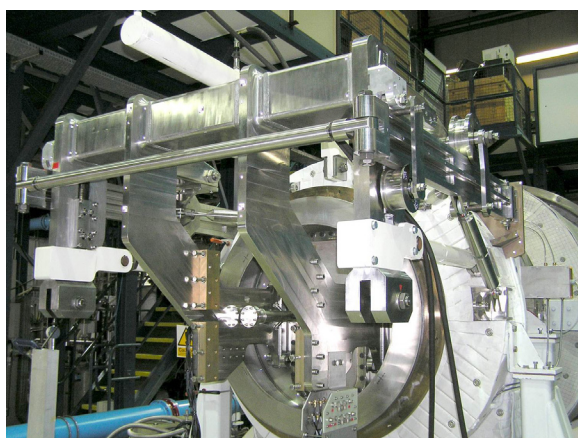
Contact:

Francesco Fantini, Direzione Commerciale - francescofantini@fantinispaspa.it
Giampiero Santin, Project Manager - giampierosantin@fantinispaspa.it

www.fantinispaspa.it



Vacuum vessel for NA62 experiment (I.N.F.N.)



Ex Vessel Support Structure for the JET ITER ICRH Antenna (EFDA/UKAEA)

The company Fantini Sud S.p.A. is the world leader in the field of chain saw machines for quarries of ornamental stones and an expert company about design and construction of industrial plants, special systems for scientific research and production equipments for the aerospace industry. The technological transfer between these company's expertises provides competitive enhancements and growth factors which allow the continuous performance improvement and innovation in the hi-technology fields.

Fantini Sud has three factories and a manpower of 150 employees and workers. The company's main expertises are:

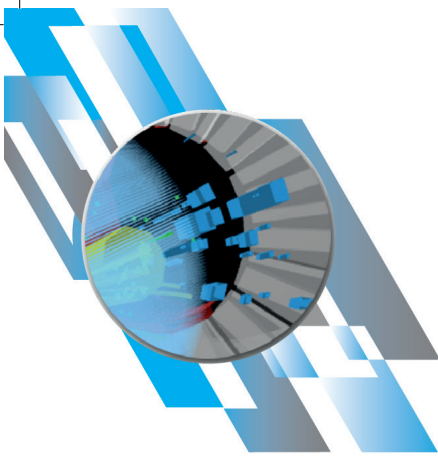
ENGINEERING: 3 dimensional parametric CAD, structural & vibration computational analysis, executive plant design in hydraulic, pneumatic, electric and control/automation fields;

PROJECT AND PARTNERSHIPS MANAGEMENT;

MANUFACTURING & ASSEMBLING: NC machining equipments of small, medium and large sizes, steel plates cutting equipments and automatic welding stations, assembling of hydraulic and mechanical systems, construction and installation of on-board electrical, instrumentation and control boards and plants, qualified welding processes (automatic and manual) also including certified non destructive testing (NDT) by level 2 internal inspectors, cleaning and painting facilities;

QUALITY ASSURANCE: Dimensional controls with digital scanners and traditional instrumentation, fully implemented Quality Assurance system.

Since year 2000 Fantini Sud has continuously been involved in Italian and European high technology projects in the fields of applied physics, particle physics and nuclear fusion. A large number of projects have strengthened the management expertise of complex projects improving quality and proficiency of design and construction of components and plants (structures, vacuum vessels, mechanical equipment). The company has gained the welding process certificates according to EN 1090-2 and ISO 3834-2 rules. The more relevant clients are: INFN, Enea, IPP Max Planck Institute fur PlasmaPhysik, Ukaea/Efda, Cern, ELI Beamlines, ASG Superconductors, Avio, Regulus.



Contact:

Gianluigi Casse, CMM Director - casse@fbk.eu
Maurizio Boscardin, Senior Researcher - boscardi@fbk.eu

www.fbk.eu

The FBK Centre for materials and microsystems (CMM) is an organization for research and innovation in the field of materials, microsystems, energy and the environment. Our mission is combining scientific excellence with the exploitation of the results of frontier research to provide substantial impact onto the market and the cultural and social welfare. We implement this objective through open innovation collaborations in international networks that involve SME's and big companies, research institutes, universities, government agencies and end users. The CMM has more than two decades of successful experience in collaboration with business companies in the EU and worldwide, with a portfolio of 18 patents, more than 40 development and service contracts with private companies and 13 projects with international organizations for an overall annual revenue of 5,1 MEuro. More than 10 spin off have been created from the activity of CMM.

Research Areas

The research in Materials and Interfaces aims to improving solutions for components and systems. Competences include the development of predictive models on interface phenomena among different kind of materials, innovative materials and their chemical – physical characterizations. The applications of this research are multi-disciplinary, ranging from microelectronics, optoelectronics, life science and renewable energies.

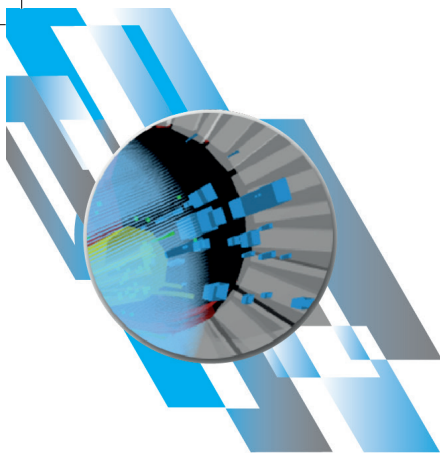
The Devices and Microsystems area carry out the design, development, packaging and characterization of a wide range of innovative devices using silicon-compatible materials. It includes silicon-based devices for radiation detection, digital and analog imaging sensors, MEMS and photonics. Most devices are produced in house exploiting the six wafer inches micro-fabrication facility (700 m2 ISO 4-5 full CMOS pilot line with 6-inch wafer capability).

Integrated Systems has two main technological fields: i) renewable energies and environment safety; ii) complex architecture and 3D environment reconstruction



Esterno - Povo





The Italian company ICAS is focused on design, R&D and production of superconducting power devices, in particular of cables and coils, and on the Hi-Tech engineering consulting

Via Enrico Fermi 45 - 00044 Frascati (RM) - Italy
Tel. +39 06 94005084 - amministrazione@icasweb.com

Contact:

Antonio della Corte, President - antonio.dellacorte@enea.it
Aldo Di Zenobio, Board Member & Technical Manager - aldo.dizenobio@enea.it

www.icasweb.com



Some examples of conductors produced by ICAS

ICAS (Italian Consortium for Applied Superconductivity) main mission is the development of innovative technologies related to application of Superconductivity in many different contexts. ICAS is a partnership between ENEA (Italian National Agency for New Technology, Energy and Sustainable Economic Development) and the two industrial companies TRATOS Cavi S.p.A. and CRIOTEC Impianti S.r.l.

ICAS charter members implemented a synergic expertise in Superconductivity and Cryogenic R&D, mainly in the design, manufacturing and testing of superconducting devices for nuclear fusion reactors and high-energy physics, as well as other research applications.

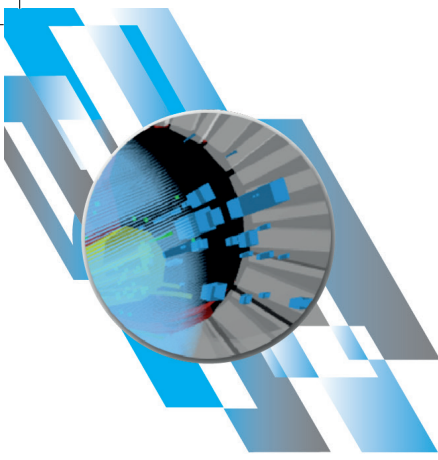
ICAS strong point is its ability to design and manufacture full turn key systems equipped with their controls, fulfilling all customer requirements, thanks to its basic know-how and technological excellence in complementary domains, combined with a wide machinery inventory coming from the two industrial partners. Superconducting devices to be included in the ICAS core business are: a superconducting cable and cable-in-conduit-conductors zoo, quite wide in dimensions and layouts for numerous applications, small to medium size magnets, bus-bars and links, current leads, power transportation cables, and generators for renewable energy production.

Concerning Cryogenics, ICAS production includes: transfer lines, valve boxes, cryostats and climatic chambers for extremely low temperature (down to 10K) in agreement with customer requirements, European standards and proving maximum operational reliability, High Vacuum systems, purging units, LOx samplers, LN2 converters, space simulation chambers, experimental test benches and technical gas distribution panels for space modules and related equipment for pneumatic, hydraulic and helium leak test.

More information is available at our website (www.icasweb.com).



A Nb₃Sn large bore coil, designed and produced by ICAS for the NAFASSY measurement station at the University of Salerno (IT)



ing. rolfo

engineering s.r.l.

Since 1960 we are present in the market of the design; we provide complete consulting in all the phases of the project : development, construction, commissioning and service

Via Rambaudi 23 - 12042 Bra (CN) - Italy
Tel. +39 0172 412841 - imp-rolfo@rolfoengineering.it

Contact:

Rolfo Fabrizio, Direttore Tecnico e Commerciale - fabrizio.rolfo@rolfoengineering.it
Giobergia Luca, Responsabile Sviluppo Progetti - luca.giobergia@ingrolfo.com

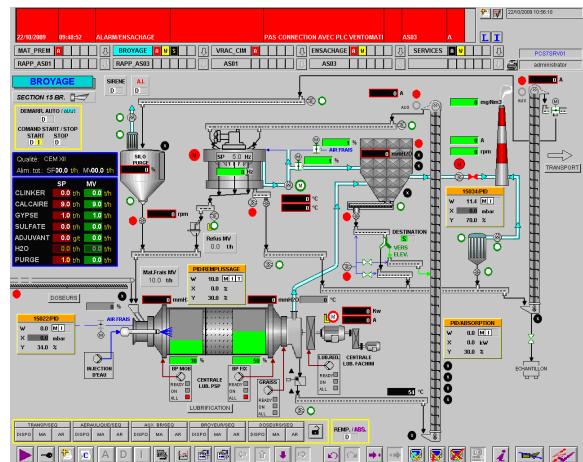
www.ingrolfo.com

Design of automation systems. Sizing of electronic control systems, drawing up lists of signals and instrumentation necessary for development of the electrical panels project, writing technical and functional specifications both for new plants and existing plants, with activities of Reverse Engineering for the Software.

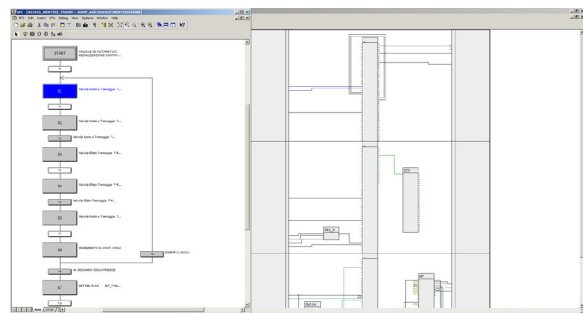
- Application Software consulting, support and development for PLC and DCS systems. Excellent Knowledge of the following products: SIEMENS PCS7, STEP7, SIMATIC-IT, WinCC and controllers: SIEMENS PLC S7-400, S7-300, ORSI PMC and OPENPMC.
- Plants Commissioning, Service after Start-up, Training for the technical staff and Management.

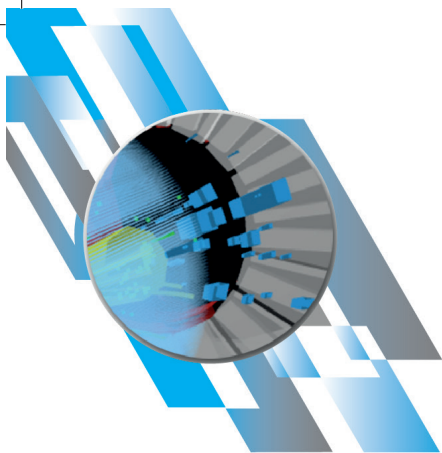
Main Area of application:

- Cement Plants
- Glass Plants
- Food Industry Plants
- Waste Treatment Plants
- Fuel Storage Plants
- Pharmaceutical Plants
- Water Treatment Plants
- Test Benches
- Presses
- Bridge Cranes.



Supervision Graphic Panel for Plant Control





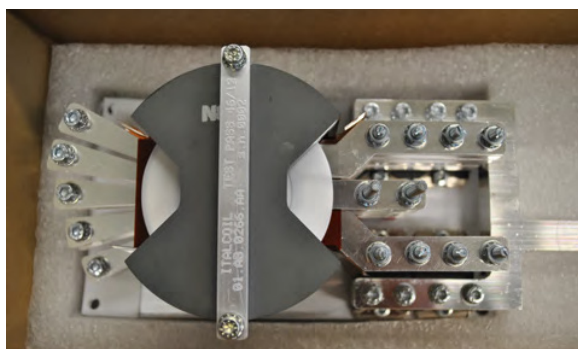
ITALCOIL products cover the whole range of ferrite transformers. the product categories include: power transformers and inductors, signal transformers, pulse transformers etc.

Zona Artigianale Passo Cordone c/da Saletto, s.n.c. - 65014 Loreto Abrutino (PE) - Italy
Tel. +39 0858 290803 - info@italcoil.com

Contact:

Marco Antonacci, Sales Manager - sales@italcoil.com
Fabio Giglione, Technical Manager - technic@italcoil.com

www.italcoil.com



R2e - LHC4-6-8KA Power Transformer

PRODUCTION DETAILS

The study of new components and the optimization of the existing ones synergically involves all members of the production and technical staff, in order to achieve the most favorable compromise solutions between the technical requirements and cheapness. After that the first prototypes are designed and manufactured, the pre-series production phase rapidly follows, so that the customer can check and approve the product. In this step each tested component is furnished with a printed test report, including each verified parameter. After the manufacturing phase is started, every variation that may contribute to a technical improvement, as for instance the use of new materials, is discussed with the customer up to the next re-homologation step.

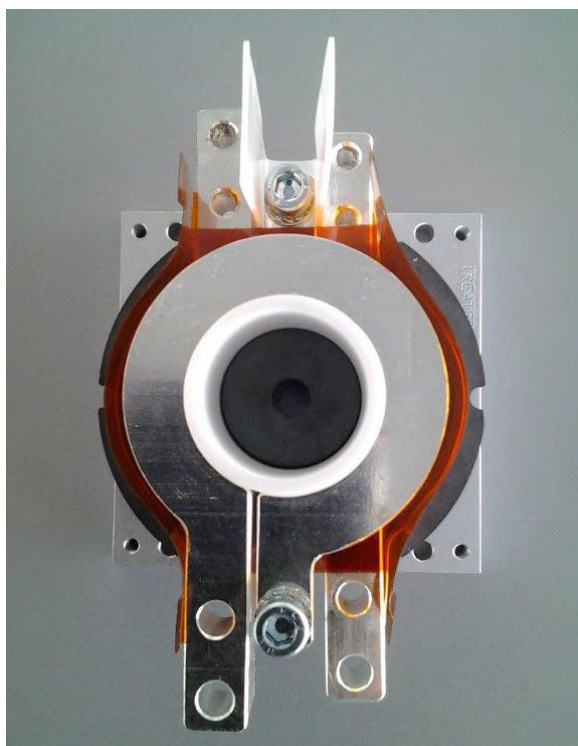
CAPACITY

At ITALCOIL the production unit includes two distinct lines, one for standard products, the other for custom products. In both cases, the company has the right flexibility to manage small lots, as well as high volumes, thanks to its structure that allows rapid changes and increases in production, perfectly adapting to a dynamic just-in-time market.

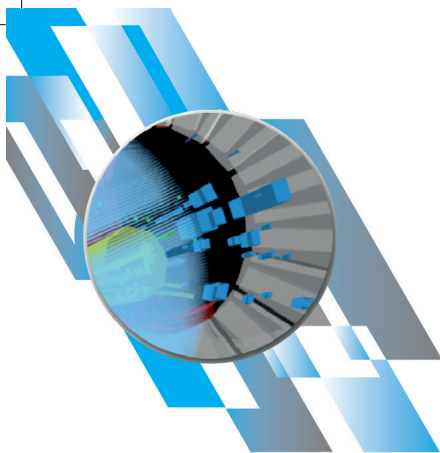
PRODUCTION EQUIPMENT

The production department makes use of the most modern machineries and equipment, such as multiple-spindle coil winding machines, automatic welding stations, robotized dispensing systems, automatic testing systems and customized assembly lines, in order to guarantee repeatability, efficiency, easy process controls and obviously quality. ITALCOIL products are tested one by one through a highly-automated process, both in case of line tests of medium-high volumes and tests of small lots. In this phase all the electrical parameters required by the components can be verified, by test recording and filing. On request, each production lot can be furnished with a certification of conformity on the supply.

On 2012 the company gains the ISO 9001:2008 Quality Certification.



R2e - LHC4-6-8KA Power Transformer



Le Cuivre Srl is a producer of semifinished and finished parts in CuOFE and High conductivity copper alloys for Electromechanical Industry and Nuclear research application

Via De Amicis 40 - 20092 Cinisello Balsamo (MI) - Italy
Tel. +39 02 66049134 - sales@lecuivre.com

Contact:

Dario Levantini, Sales manager - dariolevantini@lecuivre.com
Pierluigi Buelli, Sales dpt. - pluigibuelli@lecuivre.com

www.lecuivre.com

Le Cuivre Srl, established in 1958, is an Italian producer of semifinished and finished parts in Oxigene Free Copper and High Conductivity Copper Alloys.

The plant is located in Cinisello Balsamo (north area of Milan) where we handle the complete production range, from forging and rolling up to the final machining on customer's drawing by our CNC machinery.

The materials we mainly process are Cu-OFE and Cu-OF, (ASTM C10100 and C10200) and high conductivity alloys like CuCrZr, CuCoNiBe, CuNiCrSi.

We are specialized in 3D forging (multidirectional reduction technology) in order to guarantee the best structure on the forged parts.

Our forging shop is equipped with two hydraulic presses of 1,500 tons and 1,000 tons power ,in addition to gas furnaces for preheating and heat treatments.The capacity is up to 1.500kgs. Le Cuivre products are utilized in Nuclear Research Institutes, Power Generation and Electromechanical Industry.In these fields we cooperate with major Companies in Europe and Worldwide. Applications in Nuclear research include vacuum components, RF cavities,components for particle accelerators and synchrotron machines.

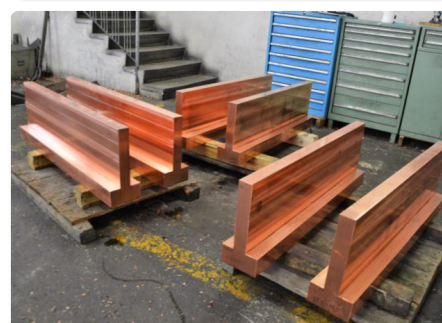
Le Cuivre Quality System is certified according to ISO 9001:2008 standard.

In our laboratory we can perform mechanical tests and non-destructive tests such as ultrasonic testing, dye penetrant test, electrical conductivity and chemical analysis.

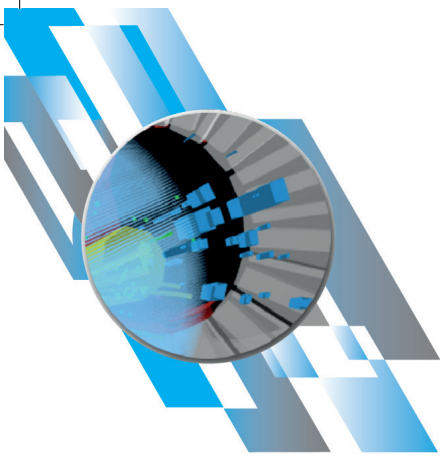
Le Cuivre works responsibly in order to "manufacture the best version of the product required".



Machined parts in Cu-OFE and CuCrZr



3D forged plates in Cu-OFE



METALMINOTTI
UNCONVENTIONAL COPPER ALLOYS SINCE 1924

*CuCrZr, Cu-OFE, MZ and other unconventional Copper alloys since 1924.
High mechanical properties for industrial applications & research*

Via Bainsizza 37-38 - 20814 Varedo (MB) - Italy
Tel. +39 0362 544133 - info@metalminotti.it

Contact:

Dr. Ing. Fausto Fraccaroli
Dr. Francesca Fraccaroli

www.metalminotti.it



Castings up to 22 tons

Established in 1924, Metalminotti is an integrated manufacturer of unconventional Copper and Copper alloys for industrial applications and research.

Metalminotti has great know-how and expertise in casting, forging and cold-drawing of CuCrZr, Cu-OFE, MZ alloys (its patented Alu-Bronzes) and special copper alloys which are characterized by very small and homogenous grain size, thus having superior mechanical properties.

Metalminotti won several contracts for the production of components and prototypes for ITER, ESRF, CERN, AREVA, Indian dept. of Atomic Energy and other important scientific and technological research organizations involved in the development of new challenging projects such as ESRF synchrotron, ITER tokamak, vacuum applications, etc.

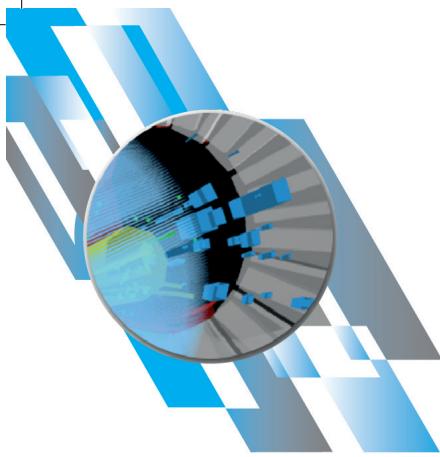
Metalminotti recently achieved an important target: its CuCrZr has been evaluated by CEA as the best available one on the international market.

Producing over 1500tons of unconventional copper alloys per year, Metalminotti plant extends over an area of 34.000mq where it performs the following integrated manufacturing operations: casting – up to 22 tons per piece; forging – up to 5 tons per piece and up to Ø3000mm ((which are particularly large format for non-ferrous alloys); extrusion and cold-drawing of bars and profiles up to Ø120mm; heat-treatment; CNC machining for ready to be used components and cutting by the innovative CNC waterjet machine. Non-destructive tests are also carried out in the in-house accredited laboratory.

Since 1994, Metalminotti is ISO and PED certified, the first Italian company in its category.



Forgings up 5 tons



Contact:

Loredana Coda, Business Development - l.coda@niering.it
Roberto Colzani, Commercial Director - r.colzani@niering.it

www.niering.it

NIER Ingegneria S.p.A is a service company, active since 1977, involved in research, consulting and technology services in the fields of energy, environment, reliability, maintainability, risk, nuclear, safety and quality.

NIER Ingegneria is the leader of a group including:

- NSI (Nier Soluzioni Informatiche) that works in ICT field, developing software applications and information systems,
- Valore Impresa that provides economic and management consulting services.

In all, NIER group gathers about 180 people.

NIER Ingegneria is certified ISO 9001 since 2000, ISO 14001 and OHSAS 18001 since 2003.

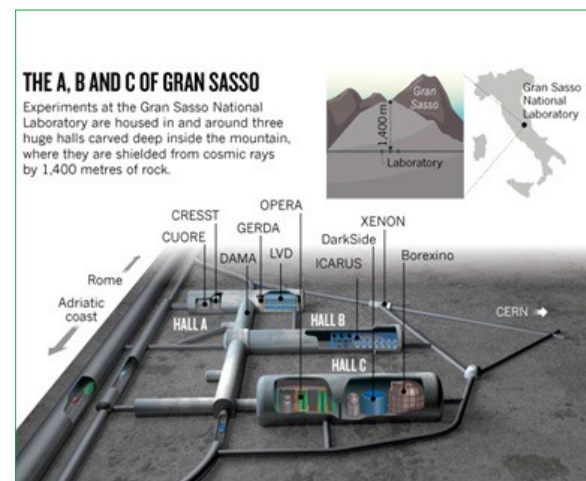
NIER is a Research Laboratory recognized by MIUR (Italian Minister for University and Research) and is an Industrial Research Laboratory in the Emilia-Romagna High Technology Network (www.aster.it).

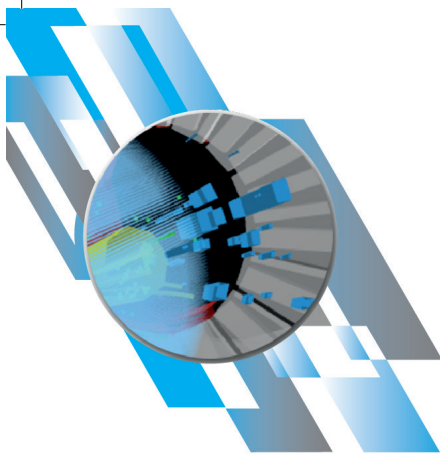
NIER Ingegneria personnel is composed by several experienced researchers (15% of NIER staff has PhD title), moreover the company has long-term partnerships with international research centers.

NIER Ingegneria provides consulting services in a wide range of industries and public Authorities and Institutions, on medium and large-scale projects, including:

Nuclear Fission Projects (Russian Nuclear Submarine Decommissioning; Risk Management Plan for decommissioning of Nuclear Power Plants; Analysis and audit of impacts on costs of the electricity resulting from the decommissioning of nuclear power plants; PHENIX reactor; RAPSODIE reactor; SARA and SuperSARA project (ESSOR reactor); Review of Italian decommissioning programme operated by Sogin; Nuclear Fusion Projects (ITER; DEMO; NET / NET II, ETHEL JRC "Tritium" project).

Scientific Projects (Dark Side experiment – Princeton University, Fermi Lab; Xenon experiment – Columbia University; ArDM LCF experiment – Can Franc; GERDA experiment – Max Plank Institute fur Nuclear KernPhysik; ICARUS experiment – INFN Gran Sasso; OPERA experiment – INFN Gran Sasso; RB1 and RB3 Nuclear Reactors of the CNEN-ENEA nuclear laboratory of Montecuccolino, Bologna; ITER project performing the Nuclear safety activities; ESS European Spallation Source for System Engineering and HSE).





Italian operator leader in the radioactive waste management and responsible of treatment and temporary storage of all the radioactive waste and sources produced in Italy

Via Anguillarese 301 - 00123 Roma (RM) - Italy
Tel. +39 06 303451 - nucleco@nucleco.it

Contact:

Gianluca Simone, Sales Manager - simone@nucleco.it
Picentino Bruno, Account Manager - picentino@nucleco.it

www.nucleco.it



Passive Active Neutron Waste Assay System for Pu and U Assay



Transportable plant for sorting and supercompaction

NUCLECO has developed processes and technologies suitable for solving problems related to the management of radioactive waste in strict compliance with safety and the environment, ensuring maximum reliability. Today the company aims to national and international markets as a qualified operator and specializes in the field of environmental remediation, decommissioning & decontamination of industrial and nuclear sites, as well as a qualified operator as part of the Italian national Integrated Service.

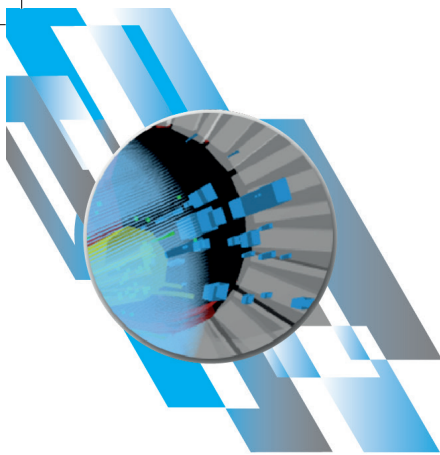
The main plants of Nucleco are:

- Supercompaction facility for solid radioactive waste;
- Treatment of low and medium radioactive liquid waste;
- Dismantling hot cells with decontamination and cutting tools as plasm torch;
- Labs and plants for radiological characterization: Segmented and tomography gamma scanner, Neutron active/passive assay, radiochemical laboratory for analysis of alpha/beta/gamma emitters.
- Qualification Laboratory (cement recipe) Main references:
- Management of the JRC Ispra and ITU characterization laboratory;
- Site Decontamination and Remediation following accidents with radsources melting at steelworks
- Itrec Trisaia: Radwaste Retrieval from disposal trenches, design and supply of waste storages and waste treatment and conditioning, liquid waste cementation (MOWA PLANT);
- Garigliano NPP: Liquid waste sludge and resins cementation;
- Opec Casaccia: Retrieval and treatment of Opec-1 Plant Underground Tanks;
- Research Reactors, Cyclotron Decommissioning (AGIP NUCLEARE, Milan University and hospital).

NUCLECO has all the approvals and certifications required by law, as follows:

- Ministerial Decree Nulla Osta n. IMP/37/0 of April 15, 2010;
- DM of 26.11.2002 concerning the authorization of radioactive waste under art. 31 D.lgs 230/95;
- DM TT/1680/88/5 of 11/18/2014 for road transport of radioactive materials;
- Serial number of NUCLECO licensed issued by ANPA: 88083 A
- Certificate of Integrated Service AENEAS of the year 2016;
- Class VI released on 27.01.2016 and TecnoSoa S.p.A. Attestation valid until 26.01.2019.

The Nucleco operates a quality management system complies with: ISO 9001:2008, ISO 14001-2004 and BS OHSAS 18001:2007



OMBA is a leading company in metal fabricated structures with a production capacity of 50,000 tons of steel per year and a production plant equipped with high technology systems

Via della Croce 10 - 36040 Torri di Quartesolo (VI) - Italy
Tel. +39 0444 261 211 - omba@omba.biz

Contact:

Carlo Bobisut, International Sales Director
Ilenia Magnabosco, International Sales Manager - sales@omba.biz

www.omba.biz

Road and rail bridges, civil and industrial buildings, industrial plant components and equipment: OMBA is an Italian company active in the field of infrastructure works in steel, counting on the experience of more than 150 specialized technicians.

The company has over 60 years of history and directly performs each phase of the construction process, from design to erection through to "turnkey" delivery.

The company has at its disposal a 80,000 square meters working area with a production capacity of over 4,500 tons of steel structures per month.

Thanks to its in-depth knowledge of the different phases of transformation, the technical skills and the versatility of equipment and facilities, OMBA is able to optimize the entire construction project including manufacturing, transportation, on-site assembly and produce components for industrial plants and special lifting systems.

The Design and Engineering Division is one of OMBA main strengths, boasting a team of technical experts making use of the latest and most reliable computing and automatic design systems such as Straus7, SAP2000, Autocad and Bocad.

Omba is certified UNI EN ISO 9001 and 3834, UNI EN ISO 14001EN 1090-1-2009, BS OHSAS 18001 etc..., and employs skilled professionals such as International Welding Engineers and International Welding Specialists.

In recent years, OMBA has embarked on a path of internationalization of its supply, demonstrating its expertise in the construction of large works such as the construction of the A4 Italian motorway bridges, the construction of the longest European railway bridge and the support structures for the New Copenhagen underground train stations.

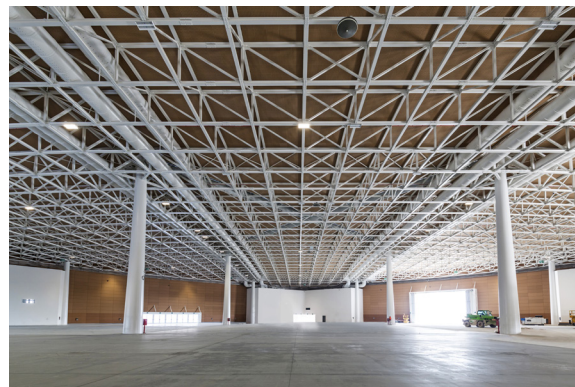
The company always stands out for its reliability and capacity to meet deadlines, design specifications and safety standards while ensuring the best possible quality.

OMBA can respond to specific and tailor-made needs typical of the construction industry.

Since 1950, we are an international partner building with passion in the heavy metal structures sector.



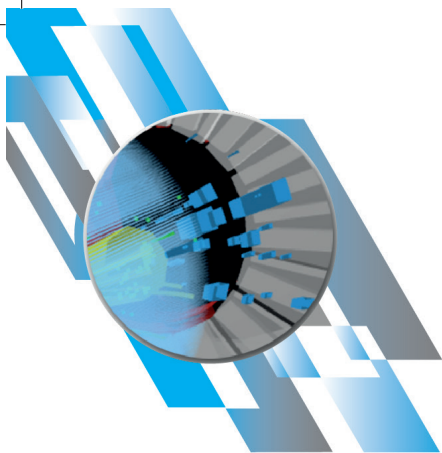
Beltrame



EXPO 2015



Ostiglia



Persico is an Italian industrial group engaged in automotive, aerospace, marine sectors, providing engineering & tools & automation for composites parts production

PERSICO spa - Via Marconi 7/9 - 24027 Nembro (BG) - Italy
Tel. +39 035 4531806 - info@persico.com

Contact:

Carlo Orteni, CEO - Carlo.Orteni@persico.com
Ottorino Ori, Sales Manager - Ottorino.Ori@persico.com

www.persico.com



Thin-shell Invar 36 moulds (up to 6-m long) for the production of main reflectors and antennas



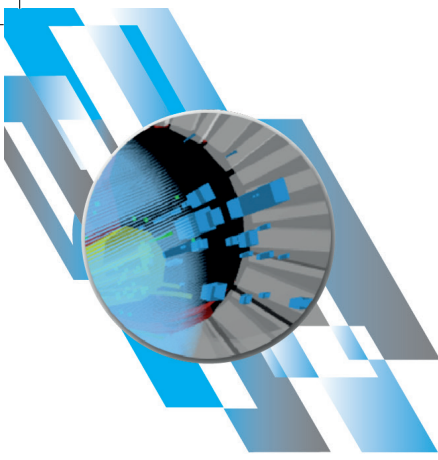
Cast aluminum and welded steel x-ray checking fixtures

PERSICO is a privately owned industrial company located in NEMBRO, very closed to the monumental town of Bergamo, Italy. PERSICO is specialized in designing / manufacturing / installing worldwide superior-quality tools and automatic productions lines devoted to the production of parts made with composites plastics and carbon-reinforced techno-polymers for automotive, aerospace, train, naval, defense industrial sectors. Our Marine divisions in particular builds custom racing yachts for the world's most renowned racing teams and private owners. Persico is highly regarded as a skilled, full-service supplier, always ready to share its technological know-how with clients.

In 2015 our turnover reached 120Meur by employing 350 people, 50% of them are highly-qualified engineers and technicians having the expertise to provide full spectrum service, from co-design (in close collaboration with our customers) to the manufacture of tools and production equipment. Persico Group's mission is to apply a sustainable customer-oriented approach to developing and providing molding solutions: offering products and services that meet customer expectations, anticipating and responding to final consumer needs and, at the same time, bettering our community and the environment. Our goal is to reduce our environmental footprint by using state-of-the-art materials and production techniques and constantly monitoring the workplace, emissions to air and water discharges.

We believe in the importance of innovation in the development of new products, services and applications. In all of our businesses, we take an entrepreneurial approach, foreseeing and adapting to change by welcoming innovative ideas and attracting new talents.

See you on persico.com.



Prime: a flexible contract electronic manufacturer with proven expertise from NPI to small production of high complex electronic boards with a very high mix components

Via M. Sbicego 4 - 36073 Cornedo Vicentino (VI) - Italy
Tel. +39 0445 941620 - e-mail. info@primeelettronica.com

Contact:

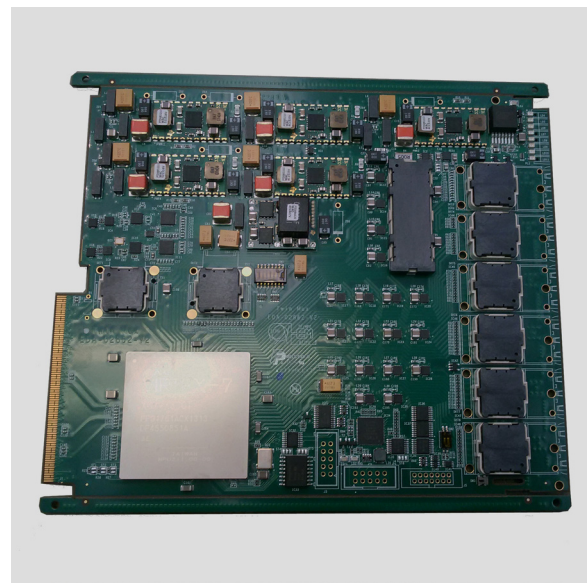
Andrea Greco, director - direzione@primeelettronica.com
Francesco Bottacini - planning@primeelettronica.com

www.primaelettronica.com

Welcome to Prime a contract electronic manufacturer with “one-stop-shop” philosophy in mind. Here you can find the benefits of “one single source” in electronic manufacturing services.

Our services include: – Total manufacturing solution for your electronic boards, from NPI to small production. – Extensive experience in high-complex, high-mix electronic boards: up to 26 layer pcb and up to 240 different components/ item (feeder). – ISO9001 with Tuv Rheinland and IPC-A-610CIS certification up to class 3. – Latest technology in: printing,mounting,soldering (Reflow,Vapor phase oven, selective soldering etc) inspection (AOI and X-RAY), Flying Probe test and conformal coating. – Components and PCB are stored and treated following the IPC-J-STD-033 standard. All sensitive devices are stored in humidity control cabinet. – An innovative ERP system specific for contract electronic manufacturer with MES and components traceability integrated. – Complete electronic documentation set (No paper) through the production floor. – Well trained technical team – Specific “Fast Proto Service”: full turnkey solution starts from 8 working days (depends number of PCB layer). – 60% of our turnover come from abroad: Usa, Germany, Nederland etc.

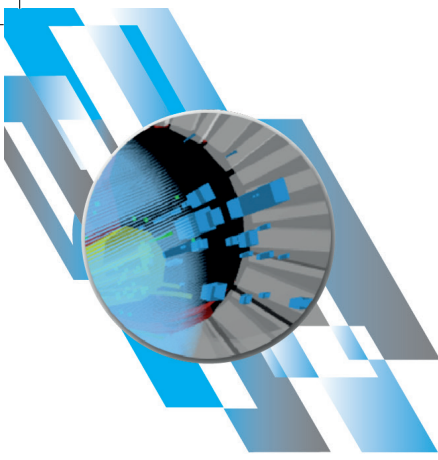
We have over 20 years of contract electronic manufacturing experience at your disposal from a single source.



14 layer PCBA assembled



Production plant



General contractor for mechanical activities: buildings, distrib. networks, pipelines, HVAC, cooling sys. Design, Procurement & erection of modular solutions for production plant.i

Via della Battana 31 - 48122 Ravenna (RA) - Italy
Tel. +39 0544 43 00 66 - ram@ram-power.it

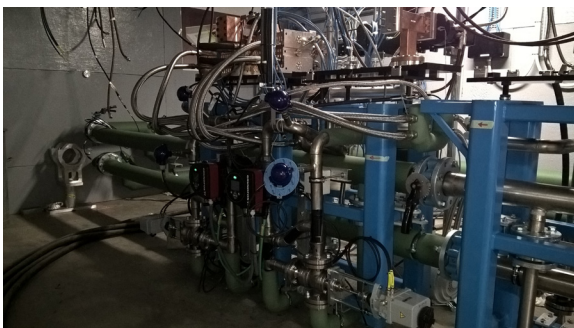
Contact:

Ottavio Mazzesi, Amministratore - ottavio.mazzesi@ram-power.it
Manuel Manzoni, Direttore Tecnico - manuel.manzoni@ram-power.it

www.ram-power.it



Circuito E.G. tetto BA3



Moduli RFQ ADAM

RAM POWER is specialized in:

- mechanical design;
- piping/skidS/modular building prefabrication;
- process vessels/power piping and stem boilers fabrication;
- power, Oil&Gas and chemical plants erection on EPIC base;
- installation of electrical and instrumentation cables and networks;
- installation, pre-commissioning and commissioning of power generation equipment (including turbogas turbines and steam turbines);
- installation and pre-commissioning and commissioning of process instrumentation, piping and accessories;
- assembly of on-shore and off-shore steel structures and process equipment;
- precision mechanical works with CNC tools;
- technical assistance and management services, on worldwide basis.

RAM POWER's personnel, continuously trained and updated, is fitted to manage the daily activities in accordance with the most stringent safety rules, achieving in the meanwhile Client's timeframe and quality expectations.

RAM POWER is certified under the following international standards:
Quality management system: ISO 9001:2008, Welding activities: ISO 3834-2:2006.

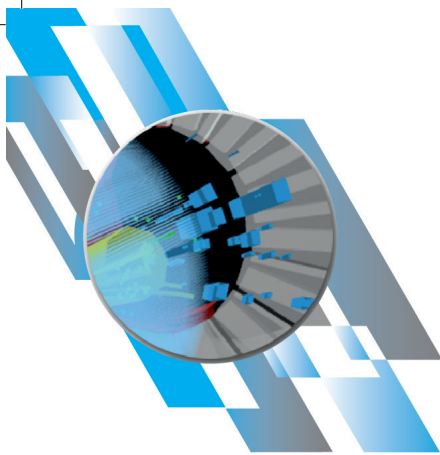
Process vessels/power piping/steam boilers fabrication: ASME STAMP, codes S, U, U2.

Our industrial base has around 20.000 m² uncovered area and 10.000 m² covered workshop areas. Our workshops are capable to deal with all type of material: carbon steel, stainless steel, duplex, super-duplex and so on. Separated "white" covered areas are dedicated to the handling of special base materials (SS, duplex, super-duplex).

Ram Power industrial base is located in the Ravenna commercial Port Area, around 150 meters far away from the loading-in docks, granting to our industrial base a strategic position to prefabricate oversized structures and ship them all over the world by sea transport.

Ram Power is also owing a branch located in France (Saint Genis Pouilly), specifically opened to manage the projects awarded by CERN. We have aorund 500 mq of covered areas, dedicated to offices and two workshops (one for carbon steel and one for stainless steel).

Our main clients are: CERN, ENI, GE OIL&GAS, SAIPEM, SNAM RETE GAS, STOGIT, TOTAL, CHEVRON, NUOVO PIGNONE.



RIVOIRA

Making our planet more productive

Rivoira, one of the first companies in Italy to operate in the industrial gases sector, provides gases, services, materials, equipments and systems for different users of gas

Via Benigno Crespi 19 - 20159 Milano (MI) - Italy
Tel. +39 0112208911 - contact_rivoira@praxair.com

Contact:

Nicola Di Pasquale, Specialty Gases Market M - nicola_di_pasquale@praxair.com
Mario Alloatti, SPG Marketing&product specialist north - mario_alloatti@praxair.com

www.rivoiragroup.it

Founded in 1920, Rivoira was one of the first companies in Italy to operate in the industrial gases sector, now part of multinational group, PRAXAIR.

From an ongoing exchange of information with this great multinational entity, fruit of a continuous process of innovation advanced solutions are born which permit increasing numbers of Clients to achieve their qualitative, production, economic and environmental improvement objectives.

With its own products – oxygen, nitrogen, argon, carbon dioxide, helium, rare gases, pure gases, special gases, medical gases, refrigerant gases and dry ice – with its own technologies and its own experience, Rivoira aims to be an a high value-added partner. Rivoira provides also services, materials, equipments and systems for different users of gas, from a big business to a small laboratory. Rivoira holds numerous patents, both in areas where traditionally operates and in alternative sectors, and is oriented to the development of new technologies and improvement of existing ones. In addition to investing in research, Rivoira provides its support to organizations, institutions and universities: it is thanks to the research that you create and develop new applications and uses of gas.

Rivoira is one of the main supplier of Specialty Gases, materials for their use and production and distribution systems. The concepts of total quality, safety and environmental protection have brought great changes in the use of analytical techniques: the importance of quality control, process and environmental monitoring has grown.

Rivoira continues steadily to increase its focus and its skills in the production of:

- Pure gases up to grade 6.0 (99.99990%).
- Special high-accuracy mixtures for the calibration of the most sophisticated analyzers.
- Gas Cryogenic dewars and tanks.
- Materials and Equipment centralized for the use of gas able to increase the sensitivity of the instrumentation and simultaneously increase accuracy and reproducibility.

Specialty Gases Line is directed basically to:

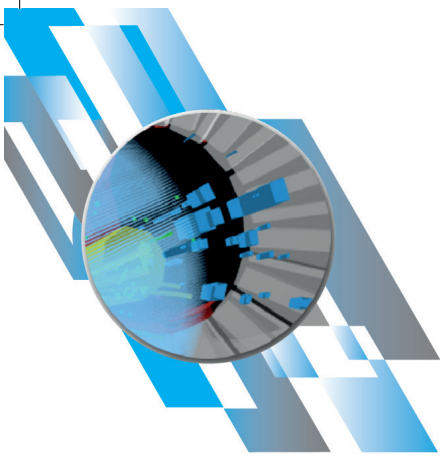
- Instrumental Analysis & Calibration.
- Scientific Research.
- Life Science.
- Special Processes high technology.
- Production Processes.



Truck Rivoira picture



Nitrogen bundle



saes
group

SAES Group is the leading supplier of Non Evaporable Getters technology for a variety of industrial and research applications from high (HV) to extreme high (XHV) vacuum

Viale Italia 77 - 20020 Lainate (MI) - Italy
Tel. +39 02 93178 01 - neg_technology@saes-group.com

Contact:

Dr Paolo Manini, Vacuum Systems Business M - paolo_manini@saes-group.com
Dr Andrea Cadoppi, Eng. Vacuum Systems Unit - andrea_cadoppi@saes-group.com

www.saesgroup.com



The NEXTorTorr® pump family

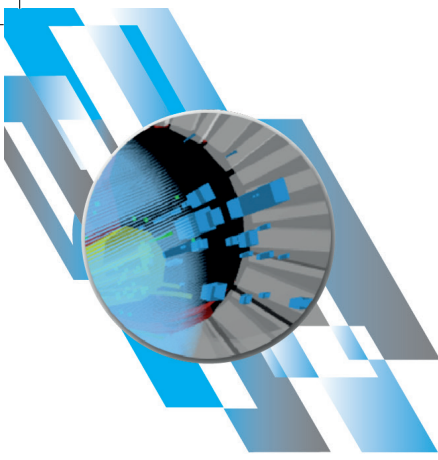
For over seventy years, SAES Group has been the leading supplier of UHV and XHV solutions based on Non Evaporable Getter (NEG) technology for a variety of industrial and research applications. These solutions include compact NEG pumps with a large pumping speed for active atmospheric gases and, in particular, hydrogen, without generating vibrations or magnetic fields.

In 2011, SAES Group introduced the NEXTorTorr® pump, which combines the NEG and sputtering ion pump technologies. These pumps present a compact one flange pumping solution for UHV and XHV systems.

In 2014, SAES Group has added the CapaciTorTorr HV pumps, based on the new ZAO1® getter material, to its pump line, extending the benefits of NEG pumping to the high vacuum regime ($1 \cdot 10^{-9}$ Torr to $1 \cdot 10^{-7}$ Torr). Recently, SAES Group has enlarged its portfolio integrating the possibility of providing turn-key vacuum systems and components, like in vacuum undulators or experimental chambers with integrated NEG pumping solutions. This is possible thanks to SAES RIAL Vacuum, the new joint venture which combines the extensive knowledge in vacuum and material science of SAES Group with the expertise in vacuum design, fine machining and accelerator technology of RIAL Vacuum Research.



The CapaciTorTorr® HV 200 pump



SEA-ALP Engineering is a joint venture with a proven experience in engineering, manufacturing and installation of special equipments for Research Projects for Nuclear Physics

Via Galeazzo Alessi 5/1 - 16128 Genova - Italy
Tel. +39 010 5761629 - info@sea-alp.com

Contact:

Marco Dani, Presidente e Chief Engineer - marco.dani@sea-alp.com
Paolo Badino, Project Manager - paolo.badino@sea-alp.com

www.sea-alp.com

Consortium SEA-ALP Engineering is a joint venture of 5 partners with a proven experience in the frame of Research Projects for Nuclear Physics, participating as designers and suppliers in some of the most important international projects such as HERA, NET/ITER, F4E, CERN LEP and LHC, KODA.

Our working area covers an interesting range of technical competence such as machines conception and engineering, functional design, fabrication and assembling, FEM simulation, winding and cryogenics.

SEA-ALP designed and manufactured high precision Winding Equipment for Cable in Conduit Conductor (CICC) Coils fabrication. Starting from 2014, we designed, constructed, installed and successfully commissioned for FusionForEnergy the plant for the ITER PF coils fabrication: in this plant the conductor is formed through a continuous CNC bending and two incoming lines are synchronized in order to perform the two in hand technique on the winding rotating table. The plant is about 45m long, 30m wide, 2,5m tall (excluding spool mandrel), contains 90 brushless motors and integrates in line Cleaning, Sandblasting and Taping subsystems. Winding rotating table is around 18m in PF5 configuration and 25m in PF4 configuration.

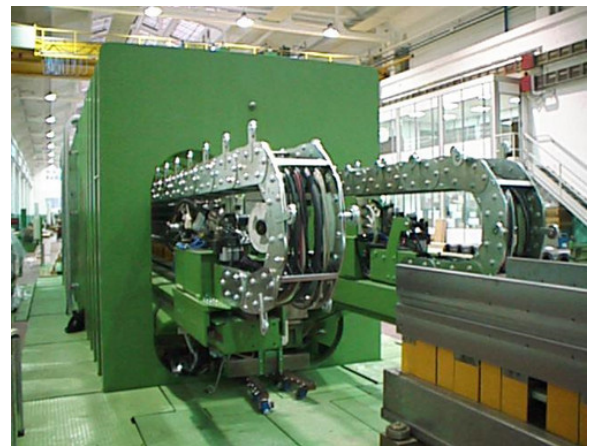
Previously, our partner Tauring Spa, with the fundamental collaboration of SEA-ALP for design and engineering, supplied to General Atomic two plants for the ITER CS coils fabrication; SEA-ALP also designed and constructed for ASG Superconductors and ALSTOM two plants for the JT60 TF coils fabrication.

During years 1999 and 2004, our partner CTE Sistemi designed most of the Machines for CERN LHC Dipoles Production: Welding Presses, Polymerization Presses, Winding Machine, Assembly Tooling and E Measurement Machine.

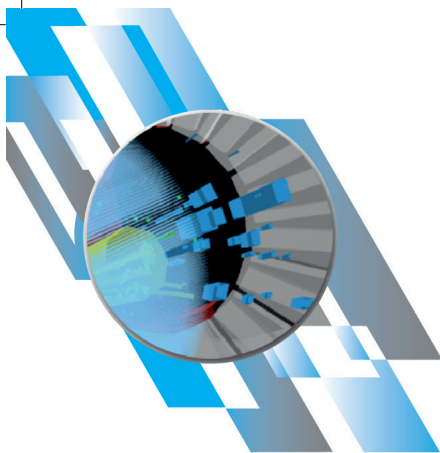
SEA-ALP developed several Intellectual Properties, including patents for radius and forwarding measurement device, for in-line subsystems coordination using load cells and for winding a turn-to-turn transition with a rotating table.



PF TW



Ansaldo Welding Press



Manufacturing of cryostats, vacuum chambers and mechanical components for scientific and nuclear research. Strong site erection division

Via Vittorio Veneto - 12072 Camerana (CN) - Italy
Tel. +39 0174 906611 - simic@simic.it

Contact:

Marianna Ginola, Commercial Manager - marianna.ginola@simic.it

www.simic.it



Installation of chemical plant

SIMIC is an Italian company with a solid experience in engineering, manufacturing & installation of large pressure vessels, reactors, cryostats and vacuum vessels, large machined mechanical components with very strict tolerances.

SIMIC also has a strong division in Site Erection Works, taking care of design, manufacture, installation and maintenance of plants (mechanical, electrical and instrumental) for the industrial sector, power plants, food pharmaceutical, chemical, etc.

Group turnover about 110 M More than 300 people employed
Headquarters, welding & machining facilities in Camerana (CN) Italy.

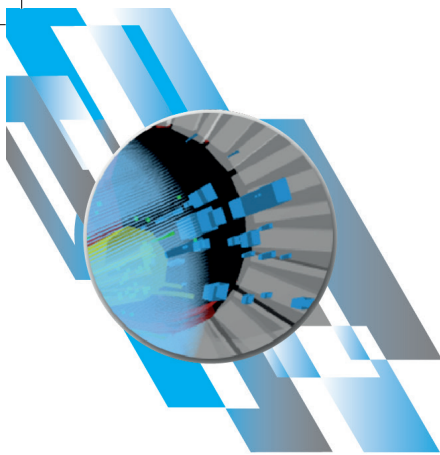
Facility with 2000 tons capacity in Porto Marghera (Venice), Italy.
SIMIC is also in Germany, Romania, Turkey, Iran, Mexico and Brasil.
For LHC, SIMIC manufactured:

- Cryostats for ATLAS experiment.
- Cryostat for CMS experiment.
- Vacuum Vessels (n. 937).
- Cryogenic Service Modules (n. 200).

SIMIC is also consistently involved in ITER project, Nuclear Fusion.



Radial Plate manufacturing-ITER project



CINEL is an engineering and manufacturing company devoted to the production of scientific equipments for the synchrotron light and particle accelerator research

Via Dell'Artigianato 14 - 35010 Vigonza (PD) - Italy
Tel. +39 049 725022 - info@cinel.com

Contact:

Stefano Bongiovanni, Vacuum brazing technology - stefano.bongiovanni@cinel.com
Roberto Baruzzo, Head of Engineering - roberto.baruzzo@cinel.com

www.cinel.com

Strumenti Scientifici CINEL s.r.l. is an engineering and manufacturing company devoted to the production and turnkey solutions of scientific equipments for the synchrotron light and particle accelerator research. We design, produce, assemble and install fully integrated front-ends and complete beamlines, accelerating cavities and diagnostic devices.

CAD-CAM environment and CNC machines allow Cinel to develop independently the whole technical project, from the design phase to the product certification taking care of all the electro-mechanical, pneumatic and hydraulic aspects.

Our workshop is equipped with a series of machining centers, milling machines, turning machines, drilling machine for holes down to 0.3mm, EDW machines and grinding machine.

The machine shop allow us to realize all the machined parts in a very fast way with a direct control of the quality.

About 20 trained operators with almost 15-20 years experience in machining of stainless steel, aluminum, copper, Glidcop and special material for UHV application complete the staff in the workshop.

The welding equipment integrates the workshop area. Welders are certified according to the European standards.

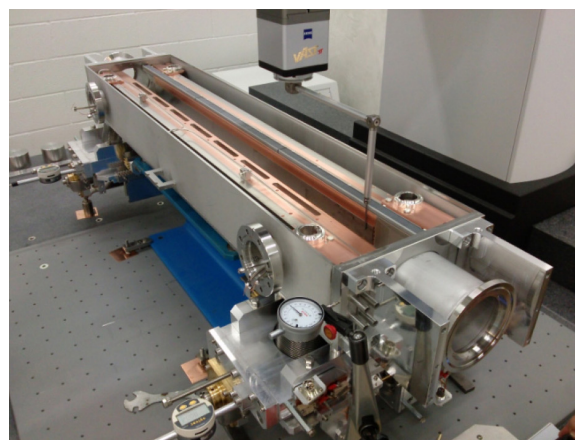
CINEL has acquired during the last years a relevant experience in the vacuum brazing activity on a wide range of materials such as stainless steel, copper, Glidcop and ceramics. A new vacuum furnace for high temperature and high vacuum heat treatment and process has been recently installed (useful dimensions width 550mm, height 550mm, depth 1200mm).

An ultrasound washing pool with 3 stages is used for cleaning according to our UHV cleaning procedure.

An area of approx. 150 m² is dedicated for the assembly and metrology of beamline components. This room is air conditioned and a filter air system is present.

An additional air conditioned room is available only for special dimensional tests equipped with the all-in-one strategy new ACCURA 2 measuring technology from Carl Zeiss.

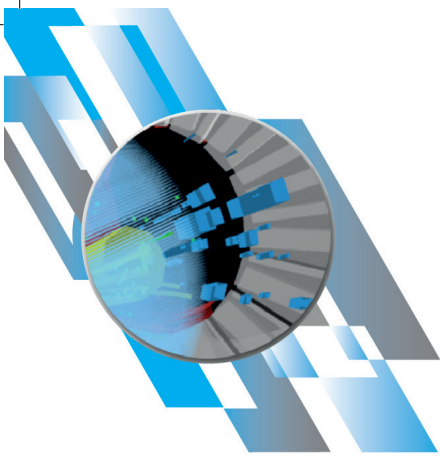
Strumenti Scientifici CINEL is a certified ISO9001 company.



TCTP Collimator for LHC



Vacuum tank for the leir electrostatic septum SEH10



TecniKabel

SPECIAL ELECTRICAL AND OPTICAL CABLES

Leading manufacturer of special electrical and optical cables; CERN's supplier since 1990 for low voltage, control, data transmission and customized cables

Via Brandizzo 243 - 10088 Volpiano (TO) - Italy
Tel. +39 011 9951997

Contact:

Aldo Foscarin - foscarin@technikabel.it
Chiara Nieddu - nieddu@technikabel.it

www.technikabel.com



Headquarter & first production unit in Volpiano

Tecnikabel has been designing and producing special electrical cables since 1978.

Our product range includes all cable types, both copper and optical, in compliance with domestic and international requirements, suitable for different environments, from underground to overhead and submarine cables.

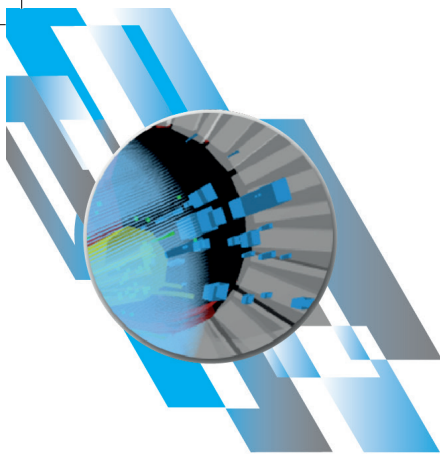
With our serious attention to quality's product, we have gained important certification, as IMQ CSO, in compliance with standard UNI EN ISO 9001:2008, UNI EN ISO 14001:2004 e IRIS REV.2. Thanks to our continuous investment in Research & Development together with state-of-the-art technology and solid expertise, we are able to follow each project with extreme rapidity and effectiveness. Furthermore, with our presence in many different field we have gained a productive flexibility to meet the specific needs of our international customers.

Our cables are designed to resist to the harsh condition of use and to guarantee reliability, security and long-lasting performances.

Passion flows through our cables.



Secondary unit in Almese



Manufacturer and distributors of vacuum components

Corso Grosseto 437 - 10151 Torino (TO) - Italy
Tel. +39 011 0968307 - info@vaqtec.com

Contact:

Roberto Cometti, Managing Director - r.cometti@vaqtec.com

www.vaqtec.com

From basic flanges, feedthroughs, viewports and valves, to a complete range of fully controlled manipulation, deposition systems, chambers and custom fabrications, Vaqtec covers the whole high & ultra-high vacuum spectrum.

Everything is available from the web-site catalogue, which contains standard items, fully specified. Our goal is to meet the customer's needs with rapid delivery to all parts of Europe.

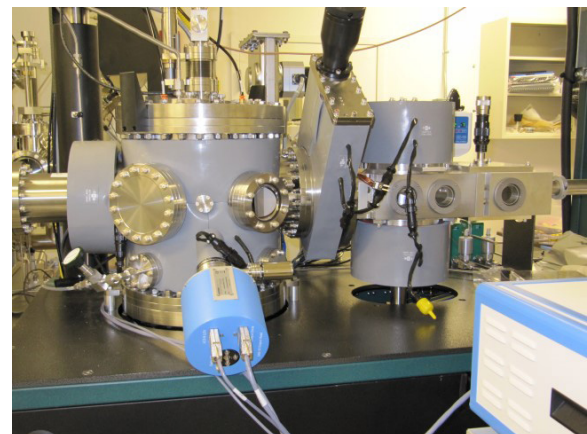
Our philosophy is to provide our customers with a service which comprises professionalism, preparation, communication and an extensive range of products and services.

Because the needs of the market are constantly changing, the qualities needed to excel must change too. We combine the professionalism which we have acquired over the years with the pleasure we derive from successful communication. If you add this combination to our many years of experience working in the field of sales and our dedication to providing good after-sales service – an often neglected area – the result speaks for itself.

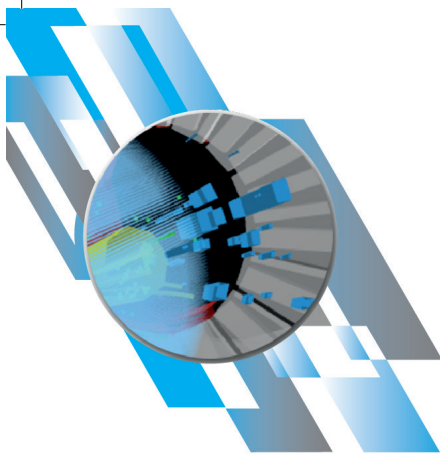
We are the single destination for all your vacuum requirements. Please contact us for more information on any vacuum related products or equipment.



Electrical feedthroughs with peek sealing



Heater jackets for components and chambers



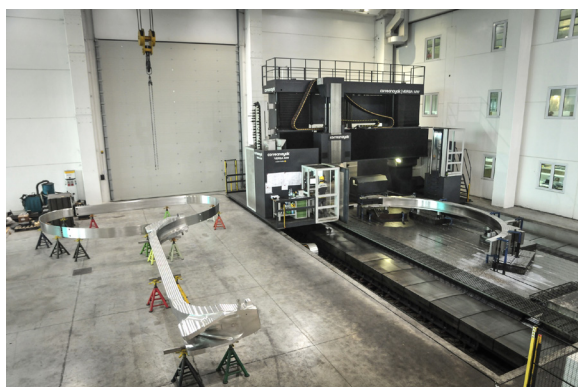
Walter Tosto SpA is an Italian leading manufacturer of critical, long lead equipment for the Oil & Gas, Petrochemical, Power and Energy, Food and Pharma markets

Via Erasmo Piaggio 62 - Chieti Scalo (CH) - Italy
Tel. +39 0871 5801 - info@waltertosto.it

Contact:

Paolo Bonifazi, Business Development Manager - p.bonifazi@waltertosto.it
Luca Tosto, Managing Director - l.tosto@waltertosto.it

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Manufacturing of the cases for the JT60-SA international project



Manufacturing of the Vacuum Vessel sectors for the largest international nuclear fusion project ITER

Founded in Italy in 1960, Walter Tosto SpA is a worldwide leading manufacturer of critical, long lead equipment for the Oil & Gas, Petrochemical, Power & Energy, Food & Pharma markets.

With more than 600 employees, 8 facilities and its advanced manufacturing technologies, the Company's growth has reached 110 mln turnover and a production capacity of over 15.000 Tons per year. Walter Tosto designs and manufactures critical items: Hydrocracking and Hydrotreater reactors, HP Pressure Vessels, Separators, Columns, HP Heat Exchangers Coke drums, Waste Heat Boilers.

Thanks to its advanced technologies, to its unique equipment and its consolidated know-how, the company is capable to manufacture items of high thickness, without any weight or size limitations.

Today, 97% of the Company's total production value is for export. Its activities are carried out in seven workshops in Chieti, a sea-front workshop in the Port of Ortona, which is directly connected to the main international ports and routes, and in the subsidiary plant Walter Tosto WTB, which is based in Romania.

The increasing development of the activities and the differentiation strategy of the business, made it advantageous to structure the company into four different divisions: Industry, Nuclear Power, Energy, Food & Pharma. Walter Tosto operates according to a Quality Management System pursuant to ISO9001 standard since 1995.

Thanks to the commitment for improving the quality of the activities, Walter Tosto has always been focused on obtaining further certifications such as ISO3834 "Quality requirements for fusion welding of metallic materials" as well as ASME stamp U, U2, U3, S and R. Walter Tosto's Quality Department is also specialized for obtaining international credits like SELO, a Certificate to operate in China, and GOST for Russian countries. Moreover, the Company highly cares about possible impacts of its activities on environment and population. ISO 14001 certifies and formalizes our strong will to respect environmental resources by lowering emissions. In the year 2011 Walter Tosto obtained ASME N and NPT stamp relating to "Rules for construction of nuclear facility components".