



# Italian Companies at CERN

September 12-13, 2017

## Company presentation

(one page only)

**Company Name:** Astra Refrigeranti (Baglioni Group)

**Short presentation of activity:** We manufacture pressure equipments in carbon steel and stainless steel for storage and process uses in Cryogenic, Oil&Gas, Energy, and Air Treatment fields. Baglioni Group counts eight companies in three continents.

The Cryogenic Division extends the range of well established package solutions for compressed-air treatment, by developing innovative solutions for the treatment of process gases.

**Technical expertise:** Flexibility, R&D and expertise are the assets that make the Cryogenic Division an effective resource to meet customers' requirements both with standard products and customized package solutions. The Division has designed and implemented a full range of products for the storage and final usage of air gases: Heat exchangers, Atmospheric vaporisers, Storage tanks, Cryostats, Cryogenic transfer lines, Cryobiologic containers, Customized solutions, Vacuum equipments.

High vacuum turbo-molecular pumps, helium leak tests with mass spectrometers, certifications according to the main worldwide standards and the constant search for innovative, make Baglioni Group's products safe and efficient.

### **References (the important works during the last 5 years):**

Customer	Location	Type	Description
DenEB	India	Argon vaporization plant	Nr.2 superinsulated tanks 8 m3/each, ambient vaporizer and instrumented control skid
Enea	Italy	Cryostat for Charpy test	Customized cryostat to test metallic samples in the range -196/+20 °C
Pangas	Switzerland	Cryogenic Transfer Line	Rigid and flexible Vacuum Jacketed Insulated Pipeline (several sizes)
Rivoira	Italy	Test skid	Customized skid (Air/Nitrogen) with heat exchanger, instruments, valves, etc., to test components in aeronautical and space field
R.S.E.	Italy	Cryostat	Customized cryostat to test cable with undercooled nitrogen
Several	Europe	Various	Standard and customized products

### **Certifications:**

- European Directives 2014/68/UE (PED), 2009/105/EC (SPV), 2010/35/CE (TPED), 93/42/CE (MDD)
- ASME Sect. VIII Div. 1 (U, U2) and National Board Registration
- Canadian Registry Number (CRN)
- Australian Standard AS1210
- MOM Singapore Regulation
- SELO-Manufacture License Special Equipment (PRC)
- Russian TR Certificate
- MHLW Japan Regulation
- Israelian Standard Regulation
- Croazia Registration
- ABS (American Bureau of Shipping) and DNV (Det Norske Veritas)
- ISO3834 and HPO-AD2000



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## Company presentation

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**Company Name:** DE ANGELI PRODOTTI S.r.l.

**Short presentation of activity:** De Angeli is a producer of electrical conductors made of copper or aluminium, that could be reinforced with several type of material such as steel or composite materials. These conductors could be

- Stranded for power transmission line (*metallurgic field*).
- Enameled with polymeric varnishes and/or glass fiber (*electromechanical field*).
- Wrapped with several type of tapes such as Nomex<sup>®</sup>, Kapton<sup>®</sup>, Kraft Paper, silane-glass tape.. (*electromechanical field*).
- CTC cable : continuously transposed cable for power transformers (*electromechanical field*).
- Bare conductors: thanks to our lamination/extrusion/drawing department from which every type of conductors start from.

All of our processes are constantly followed by quality controls by our quality department, supported by our engineering office and improved by investing on research and development, collaborations with customers, and participation on important national and European R&D projects.

### **Technical expertise:**

- Production of bare conductors: lamination, drawing, extrusion.
- Enameling of the conductors through application of polymeric enamel and glass-polymeric enamel.
- Wrapping of the conductors with several type of tapes.
- Stranding machines for stranded conductors for overhead lines (stranding department).
- Laboratories for quality controls: in which is possible to measure all the properties concerned by all our type of conductors (both electrical and mechanical properties) and by the other components involved in such as polymeric enamel, tapes, papers..
- Transposition line for production of continuously transposed cable (CTC)
- Engineering office: to design and develop new products.

### **References (the important works during the last 5 years):**

- Superconductor insulation in collaboration with *INFN, ASG Superconductors* and *Fermilab U.S.A.*
- European Best Path: develop of innovative conductors for power transmission.
- Tinning of copper wire for submarine cables in collaboration with *Prysmian Group*.
- Supplies to all the most important customer of the field (*ABB Group, Siemens Group, SMIT Group..*).

**Certifications:** ISO 9001 , ISO 14001.



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## Company presentation

**(one page only)**

### Company Name:

Kyma Srl

### Short presentation of activity:

Kyma is a spin-off company of Elettra-Sincrotrone Trieste S.C.p.A. in joint venture with two industrial partners: Cosylab d.d. and Euromisure S.a.S., a division of Wika Group.

Kyma is a unique industrial reality worldwide recognized as a qualified partner for the design and development of insertion devices for Light Sources (Synchrotron and Free Electron Laser).

Kyma was established in 2007 and, in ten years of activity, it realized more than 50 undulators and wigglers. This result could be achieved thanks to Kyma's peculiar approach: being at the boundary between industry and science and transferring any scientific invention regarding insertion devices into a technological innovation.

Kyma head office is located in the Basovizza campus of AREA Science Park, Trieste, Italy, and a fully equipped, temperature controlled laboratory for magnetic assembly and characterization is located in the Technology Park of Sežana, Slovenia, just 10 km from Elettra.

### Technical expertise:

Kyma is specialized in mechanical and magnetic design, realization, characterization, installation and commissioning of insertion devices and can provide a series of different services.

- Insertion devices (Hybrid Undulators and Wigglers, Elliptically and Linearly Polarizing Undulators, Compact Undulators, Phase Shifters, etc.)
- Design and realization of magnetic arrays and mechanical support structures
- Pure Permanent Magnet fully measured and characterized
- PPM quadrupoles
- Measuring benches

### References (the important works during the last 5 years):

- APPLE-II Undulator for (LOREA) beamline at ALBA;
- Five Elliptically Polarizing Undulators for NSLS-II storage ring at Brookhaven National Laboratory, USA;
- Four + five Compact Linearly Polarizing Undulators at Cornell University Laboratory, USA;
- Thirty Hybrid Permanent Magnet Phase Shifters for European XFEL, Germany;
- Two Linearly Polarizing Undulators Middle and Extreme IR at NSRL, Hefei, China;
- Two Linearly Polarizing Undulators and One Linearly Polarizing Undulator for INDUS-2 storage ring;

### Certifications:

UNI EN ISO 9001:2008



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## Company presentation

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### **Company Name:**

**PADA ENGINEERING S.r.l.**

Via Giovanni Battista Pirelli, 11 - fraz. CALCINELLI

61036 COLLI AL METAURO (PU) ITALIA - tel. (+39) 0721899555 - fax. (+39) 0721897064

P.IVA/VAT no. IT 01084350410 - [www.padaengineering.com](http://www.padaengineering.com)

### **Short presentation of activity:**

Our principal activities include study, design, development of aluminium cooling profiles up to the final realization of finished products. Innovative and flexible, we are committed to provide customized solutions for each application. For more than 30 years, we have been continuously developing new concepts and our product range comprises over 1,000 extruded aluminium profiles and more than 20,000 finished products.

Thanks to our multi-year experience, we provide our customers with the most reliable “tailor-made” thermal solutions. Our solutions are addressed to the Power-supply, Broadcasting, Traction, UPS-systems, Welding Machines, Computer, Automotive, Medical industries. Our Company is experienced in fulfilling customer requirements for design assistance, rapid prototypes, short run orders, as well as timely deliveries and stocking of high volume production requirements.

### **Technical expertise:**

Machinings – Coatings - Gasketing

Design and production of thermal management systems, thanks to software simulation of fluid and heat, vacuum brazing technology, deep holes technology, assembled lamella technology, water cooled plates, air channels preformed technology.

### **References (the important works during the last 5 years):**

EATON-BOSCH-HITACHI-SIEMENS-WHIRLPOOL-JABIL-

### **Certifications:**

ISO 9001: 2008

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## Company presentation

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### **Company Name:**

**PALASER S.r.l.**

### **Short presentation of activity:**

PALASER S.r.l. is a company specialized in the realization of aluminium and glass facades, doors and windows. Its headquarter is based in Casale Monferrato (AL), Piedmont. It has been operating in both domestic and international markets for over 25 years. It designs and develops innovative systems exploiting the most advanced technologies and highly skilled workforce.

### **Technical expertise:**

Aluminium and glass facades – doors and windows – carpentry - cladding

### **References (the important works during the last 5 years):**

- Accademia Aeronautica di Pozzuoli and Caserma Nunziatella di Napoli, total due amount € 11.186.361,00
- Università degli Studi di Torino – Palazzo Nuovo, total due amount € 5.054.189,00
- Politecnico di Torino – Building 1C 1D 1E, total due amount € 1.728.768,94
- Città Metropolitana di Firenze – School Complex “B. Buontalenti”, total due amount € 1.128.254,53
- SMETRA – Principality of Monaco – VILLA ENGELIN, total due amount € 3.422.046,00

### **Certifications:**

- Certification of quality management system (ISO 9001:2008);
- Certification of structural steel components class EXC3 (EN 1090-1:2009 + A1:2011);
- Certification of environmental management system (ISO 14001:2014)
- Certification of occupational health and safety assessment series (OHSAS 18001)
- Qualification Certificate for the execution of public works (SOA) for the following categories:
  - Category OS6 (doors and windows) classification VI (amounts up to 10.329.000,00 €);
  - Category OS18-A (metallic carpentry) classification V (amounts up to 5.165.000,00 €);
  - Category OS18-B (continuous facades) classification VI (amounts up to 10.329.000,00 €);
  - Category OG1 (civil and industrial buildings) classification IV (amounts up to 2.582.000,00 €)



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## Company presentation

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Company Name: [PARTECO Clean Rooms Systems](#)

Short presentation of activity: [Parteco designs, manufacture and install clean rooms.](#)

Technical expertise: [Parteco is specialized in the construction of the architectural finishings of the clean rooms. We have a proprietary partition and false ceiling system. We source from specialized supplier other components.](#)

References (the important works during the last 5 years):

<b>customer</b>	<b>country</b>	<b>project</b>
Rasan Pharmaceuticals	Iraq	New production clean room for solid forms
Valenta	Russia	New production building Ampliamento clearroom - EGO - Gravitational
INFN	Italy	Observatory
LAV.I.T.	Italy	Centrale sterilizzazione medical device ospedaliero
GE Healthcare	UK	New clean room medical devices
AO papa Giovanni XXIII (Bg)	Italy	Laboratori UFA
Gunenthal Cile	Cile	Hormon production building
GSK	UK	Coating suite
BIOSUN	Iran	R&D building
Abdi Ibrahim	Turkey	New biological production clean room
IPM	Italy	Clean Room per lavorazioni meccaniche
API - Amman Pharmaceutical Industries	Jordan	New filling facility
BAYER	Italy	Adeguamento normative antincendio
Squirus	UK	Formulation facility
VetProm	Bulgari	
UNIVERSITA' DI PARMA	a	New production building
Jeddah University	Italy	Pareti per laboratori
CARL ZEISS	KSA	Cyclotron laboratories
	Israel	New clean room

Certifications: [UNI EN 9001 - OHSAS 18001 – plus products certifications](#)



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### Company presentation

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**Company Name: Salver S.p.A.**

**Short presentation of activity:** Salver S.p.A., a Magnaghi Aeronautica's affiliated company, is a high technology Tier 1/2 partner active in the aeronautical market for major domestic and international aeronautical Players, manufacturer of composite-based aerospace structures and sub-assemblies. Salver is located in Brindisi (Italy) in the Aerospace District of Puglia.

Magnaghi Aeronautica is an Italian Group of Aerospace Companies, whose competencies span over design and manufacturing of Landing Gear Systems, Utility actuation and Primary & Secondary composite aero-structures.

Salver was set-up in 1970 to produce items for different applications, using reinforced resin, plastic materials for the aviation sector. The business was bought by Ciba in 1989 and subsequently sold to Hexcel, the global carbon fiber manufacturer in 1996, as part of a larger transaction. In June 1999, Hexcel sold the company to Invesco.

Since the acquisition, Invesco has undertaken considerable investments in personnel, facilities and machinery, transforming the company from a small build-to-print (BtP) composites shop into an advanced build-to-specification (BtS) composites supplier, with long-term contracts for major aero structures programs able to compete in the global market.

**Technical expertise:** Salver develops and produces composite parts, composite/metallic sub-assemblies and assemblies mainly for the civil and military aeronautical field.

Salver capabilities ranges from "Built to Print" to "Full Work Packages" covering the whole life-cycle, starting from Engineering, Industrial Non Recurring activities, Manufacturing activities up to In Service support. The above-referred capabilities have been developed in these past years over a large range of products acting either as Tier 2 or Tier 1 supplier of different valuable Customers.

Production assets include laboratory for executing chemical, physical and mechanical tests, cold storage warehouse, pre-preg cutting machines, clean rooms, lay-up laser projectors, autoclaves, NDI and other modern equipment.

Group Engineering Capabilities include complete design/development from conceptual design, architectures definition through 3D modelling, sizing and performances, kineto-dynamic analyses, loads calculation and damage tolerance analyses, linear and non-linear FEA, and impact analyses, material selection.

**References (the important works during the last 5 years):** It is worthy to remark our recent achievement in design, development, manufacturing and certification of the C Series composite Flaps, Spoilers and Main Landing Gear Doors, the new Bombardier Commercial short-range, single aisle Aircraft.

**Certifications:** AS EN 9100:2009, Nadcap Accreditation for Composite, Non-Destructive Inspection, Chemical Process, Product Organization Approval (Part 21, Part 145).



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Company Name:

**SILCOM SRL**

Short presentation of activity:

*Silcom Srl was founded in 1968 in Italy, is an industrial equipment retailer, with more than 30,000 references in store, and a wide range of leading brands. Our company can offer technical and post-sales support, customized solutions, turnkey design, installation and testing, planned maintenance, and technical assistance.*

Technical expertise:

<b>TOOLS</b>	<b>EQUIPMENT and MACHINES</b>	<b>PLANTS</b>	<b>INDUSTRIAL FURNISHINGS</b>
manuals, electrics, pneumatics tools and accessories for machine tools tools and abrasives, products for welding accident prevention articles measuring and control instruments	compressors, welding machines, spot welding machines generators, lathes and column drills cutting machines and presses, lifters, tester for diagnosis equipment for the lubrication, cleaning machines	compressed air, painting drying, handling lubrication, washing, water treatment dust aspiration, welding fumes, exhaust gas	fittings mobile workshops, cabinets locker, drawers, stairs, trolleys plastic and metal containers, shelving workbenches, tanks and barrels supports, cantilever

References (the important works during the last 5 years):

Name of the customer	VERITAS (municipally controlled waste management)
Scope of the contract - Supply	Industrial supply
Duration (start and end dates) and approximate contract value	From 2010 ongoing
Quantity of order lines concerned	7500

Name of the customer	SMS Operations Spa
Scope of the contract - Supply	Industrial supply
Duration (start and end dates) and approximate contract value	From 2006 ongoing
Quantity of order lines concerned	3200

Name of the customer	A.C.T.V. Spa
Name, Telephone and e-mail of the person to be contacted in customer organisation	Alessandro Ferretto - 041 2722111 - Alessandro.Ferretto@actv.it
Scope of the contract - Supply	Industrial supply
Duration (start and end dates) and approximate contract value	From 2005 ongoing
Quantity of order lines concerned	2800

Certifications: **ISO9001 we're working on it – ready for 2018**