

# ASG SUPERCONDUCTORS 1 YEAR 1 DAY

25 Novembre 2019

[www.asgsuperconductors.com](http://www.asgsuperconductors.com)

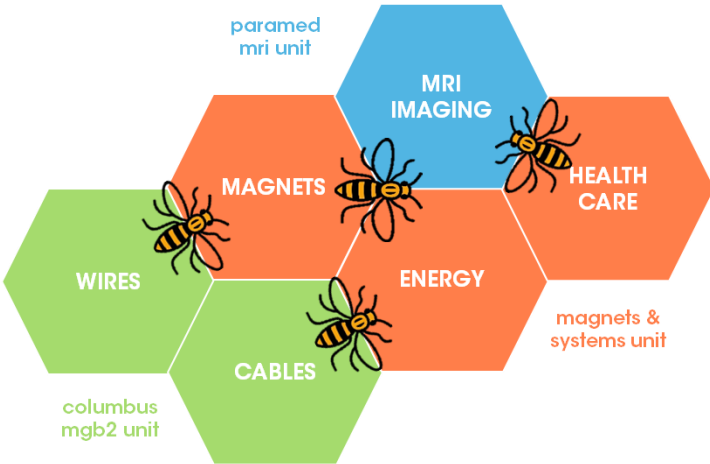
ASG Superconductors is a leading Italian Company active worldwide in the **SUPERCONDUCTING** magnet and technology business for research and industrial applications

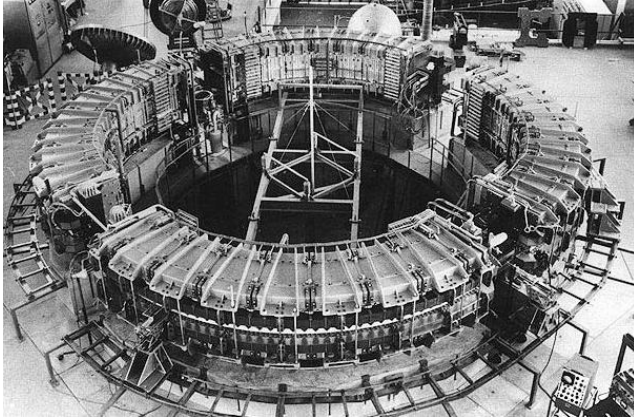
ASG has an average turnover of 50 M€/year consolidated and currently employs 230 highly specialized managers, engineers and technicians

Competences and ability to work with cutting edge technology and hi-tech materials is combined everyday with a strong commitment to increase production capability and technological skills, collaborating worldwide with the main scientific research institutes and with sector's market leaders.

ASG Superconductors is now organized in three operative units: **magnets & systems unit**, **columbus mgb2 unit** and **paramed mri unit** with 38,000 m<sup>2</sup> production over 4 plants in Liguria

**THE RECENT MERGER HAS CREATED AN INDIVIDUAL COMPANY ABLE TO MASTER THE SUPERCONDUCTING TECHNOLOGY FROM THE MATERIAL SYNTHESIS TO THE COMMERCIALIZATION OF COMPLETE DEVICES**





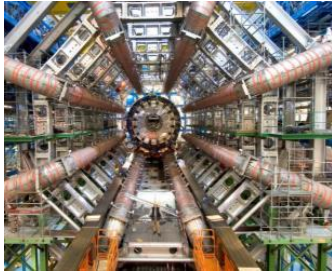
ASG's history is that of an **EXCELLENCE AT THE FOREFRONT OF TECHNOLOGY**

From research to industrial applications: starting as early as the 1950s - when the magnet unit of Ansaldo took part in the construction of the Italy's first electrosynchrotron in Frascati (Rome)

In 2001 the superconducting magnets division of Ansaldo spun-off as an independent company, increasing its effort significantly to become a sustainable market player, with a stronger inclination to develop new business opportunities by investing in promising materials including  $MgB_2$  wires and in medical devices as MRI scanners

CERN, Fermilab, GSI, ITER - Fusion for Energy, CNAO and many more: ASG's history is a 50 years long legacy of facing and solving novel challenges presented by the scientific community

**ASG ENGINEERS BELIEVE THAT IT IS NOW TIME TO BRING THEIR SUPERCONDUCTING TECHNOLOGY TO A HIGHER LEVEL, MAKING IT AVAILABLE FOR A COUNTLESS NUMBER OF ELECTROTECHNICAL DEVICES, WITH POSITIVE IMPLICATIONS ON A VARIETY OF ENERGY, MEDICAL AND INDUSTRIAL USES**



With more than 50 years experience and with a vast and trusted global track record, the Magnets & Systems Unit designs, manufactures, and tests **SUPERCONDUCTING MAGNETS** and **SYSTEMS** for:

**THERMONUCLEAR FUSION**

**HIGH ENERGY PHYSICS EXPERIMENTS**

**MRI MAGNETS**

**CANCER THERAPY MAGNETS**

**POWER GRID DEVICES**

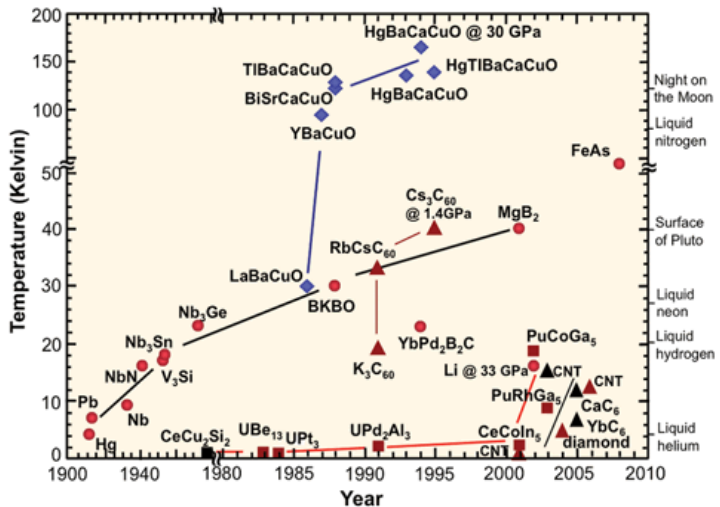
# COLUMBUS MGB2 WIRE UNIT



Columbus MgB2 unit is a **WORLD LEADER IN CUTTING-EDGE MAGNESIUM DIBORIDE (MgB<sub>2</sub>) TECHNOLOGY** and the transformation of this superconducting material into long, versatile and **HIGHLY RELIABLE SUPERCONDUCTING WIRE**.

MgB<sub>2</sub> is one of the most recent solutions adopted by the superconductor industry, the high superconducting temperature (T<sub>c</sub> = 40 K) means that MgB<sub>2</sub>-based systems can be cooled by modern cryocooling devices, without the costly, problematic and hazardous use of liquid helium.

MgB<sub>2</sub> wire technology is already tested and used in energy, power, medical and high energy physics.



MGB2 WIRES FOR CABLES

MGB2 WIRES FOR MAGNETS

MGB2 WIRES FOR MRI

MGB2 CABLES

# PARAMED MRI UNIT



Paramed MRI unit designs and produces **OPEN MRI SYSTEMS** with unique features and benefits, providing **OUTSTANDING PERFORMANCE AND UNPARALLELED PATIENT COMFORT**.

The company's flagship product, the MROpen system, is the only superconductive MRI with a "totally open" magnet design, that allows Multi-position imaging including advanced weight-bearing and functional studies, besides providing the highest comfort for patients.

We work for:



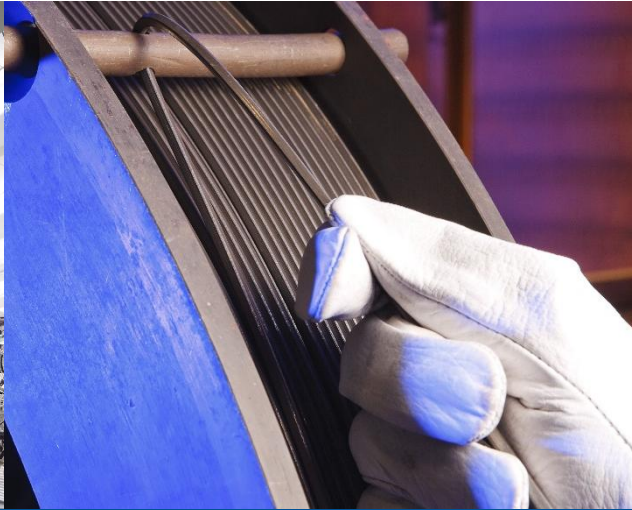
**PLEASANT PATIENT EXPERIENCE**

**MORE EFFECTIVE HEALTHCARE**

**BETTER HEALTH**

**IMPROVING PEOPLE'S LIFE** is our mission.

We achieve this through **INNOVATION, CREATIVITY AND PASSION**.



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COMPETENZA PROFESSIONALE

CORAGGIO E SFIDA

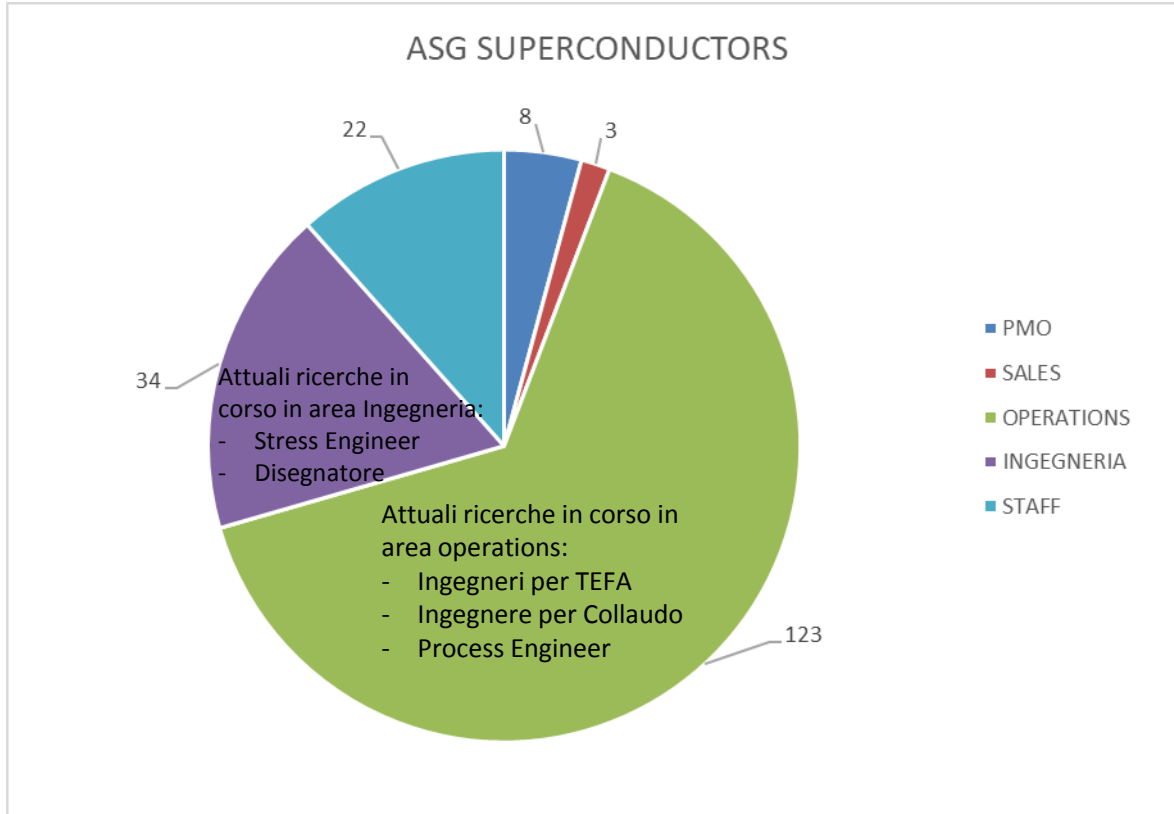
INTEGRITÀ

INNOVAZIONE

SPIRITO DI GRUPPO







## Principali Percorsi di Laurea in ASG:

- ❖ Ingegneria Elettrica
- ❖ Ingegneria Meccanica
- ❖ Fisica
- ❖ Scienze dei Materiali

## Offerta per i Laureati in ASG:

- ❖ Tirocini curriculari
- ❖ Tirocini extra curriculari

Inoltre:

- ❖ Alternanza Scuola-Lavoro per diplomati in materie tecniche

❖ **Competenza tecnica:**

- ✓ Interesse per le tematiche della superconduttività applicata

❖ **Competenza gestionale:**

- ✓ Conoscenze di base sul funzionamento di una azienda
- ✓ Conoscenza economica-finanziaria di base
- ✓ Conoscenze della Lingua Inglese
- ✓ Ambizione a crescere in ruoli non solo tecnici, ma anche manageriali

❖ **Soft skills:**

Richiamandoci ai nostri Valori Aziendali cerchiamo giovani laureati che:

- ✓ Abbiamo voglia di crescere nelle proprie **Competenze Professionali**, che è il motore che alimenta la qualità delle nostre soluzioni
- ✓ Siano onesti, trasparenti e responsabili...**Integrità**: un modo di agire e di essere tra di noi
- ✓ Siano innovativi. L'**Innovazione** è la nostra spinta per il futuro. Per immaginare prodotti sempre migliori.
- ✓ Siano coraggiosi. Con **Coraggio** sappiano affrontare nuove strade per crescere: come Azienda e come persone.
- ✓ Sviluppino la capacità di **Lavorare in squadra**. Lavoriamo insieme per raggiungere obiettivi comuni.

Per l'invio di CV scrivere a:

[hr@as-g.it](mailto:hr@as-g.it)