We believe in a Common Future because since 1975 we have been living in a better, more democratic and more advanced world, thanks also to our support to information, communication and scientific research.
Who we are

DB is a corporate group working in broadcasting and scientific applications. The leading company in the group is DB Elettronica Telecomunicazioni S.p.A, founded in Italy in 1975. With more than 40 years of experience and a coherent strategy, DB Elettronica nowadays is a world leader in communication products, systems, and services for Government and Private Customers and in advanced scientific applications.

DB Group offers world-class solutions in turnkey systems, from Studio to Antennas and RF power amplifiers where investments in design, new technologies, and customized solutions are a critical factor to success.

With headquarters located in Padua, Northern Italy, offices in Rome, Bologna, Miami, New Delhi and many worldwide sales and service locations, DB Group assures immediate delivery of products, systems and instant service on every continent.

What we do

DB Group provides products, systems and services, with activities in the following interlocking domains:

- Broadcast Communications
- RF Communications
- Microwave Communications
- Radio and TV studios
- Scientific applications

We received important awards for our Solid State Amplification and its revolutionary Cold-Fet™ technology and we have developed a new HI-ADC™ technology to improve the TV transmitters, reaching high quality signal both in analog and in digital transmissions.

Moreover, we proudly contribute to the scientific projects of the most advanced research organizations such as CERN (Switzerland), GSI (Germany), INFN (Italy), Institut de Physique Nucléaire d’Orsay (France), LPS (France), Sincrotrone Trieste (Italy), Inter-University Accelerator Centre (India).

Why we do it

We believe that the first step to get a wealthy, democratic world is to support the communication between people, to empower the scientific research and foster the sharing of information. This is what we strive for every day: supplying our customers with the best means to do it.

Mission & Vision

Our mission is to provide the best solutions and the most advanced instruments to our customers, satisfying all their specific needs and empowering them to succeed; and in so doing to contribute to make the world a better place.
Our Difference

Specialization is the password to get a broad range of perfect solutions. Integration is the step forward to make the solutions perfect

In the broadcasting sector it is a critical success factor to select the solution that perfectly fits your business model, guaranteeing the most advanced technology to put you ahead of your competitors. Consequently, your partners should be specialized in their target domain. DB Group offers you specialized partners in broadcasting industry, in a perfectly integrated form.

Pursuing grand interdisciplinary scientific and technological challenges means having the specific, cutting edge solution every time, wherever you need it. This makes the difference, and this is the only way to succeed.

DB Group Divisions

DB Group is composed of multiple divisions, specialized in providing the most advanced solutions in its own field, focusing on its own core business. The exchange and the collaborations between them provide unique benefits for the clients - deep specialization along with broad and multiple solutions.
Scientific Applications

10 years of experience
+ 2,000 kW Installed

Scientific Applications Equipment

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.
Research & Development

Designing equipment with excellent performance, both for broadcasting and scientific application, is a challenge we face every day since 1975.

We firmly believe innovation to be a powerful instrument to overcome the challenges of the broadcasting industry and scientific research; we grant the best solutions and configurations of the customized equipment with a positive can-do attitude. And our best result is that our products are successfully installed in more than 160 countries in the world.

DB’s internal Research & Development department is able to design complete systems and provide customers with all the necessary assistance from the definition of the project, choice of equipment with accurate technical specifications up to installation and after-sales service.

Quality is more than a concept

For DB, quality is more than a concept: the company has been awarded the ISO 9001:2008 standard certification demonstrating our dedication to continuous improvement and superior performance in all aspects of our business.

Each department pursues the highest quality to guarantee top level performances and reliability, always respecting all international standards for electromagnetic compatibility and safety:

- The quality of our products is compliant with the main International Standards
- All DB’s products are European standard compliant for Electromagnetic Compatibility and Safety
- The Radio and Television equipment produced by DB Broadcast division are compliant with the Directive articles 1999/5/EC of European Parliament on Radio and Telecommunication Terminal Equipment (R&TTE Conformance)
- Most of our products are also FCC certified

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Service

On-line service

Every day our Technical Departments in Padua, Bologna, Rome, Miami, New Delhi and other locations reply to dozens of on-line enquiries, compelling customer technicians to find the right solutions, thus saving time and money.

Factory service

An internal factory service with immediate spare parts shipment is available with stock and shipping directly from Padua, Bologna, Rome, Miami, New Delhi and other locations.

On-site service

DB Team of technicians are ready to fly all over the world to offer feasibility studies, technical services, training, supervision and installation on each domain of the Group: Scientific applications, Radio & Television Transmitters, Radio & Television Studios, Antenna Systems, Microwave Links.

Installation process

DB has a highly specialized staff to help the customer with the installations of:

- Radio and TV complete transmission systems
- Antenna systems
- Microwave links
- Amplifiers, exciters, etc.
- Radio and TV studies
- Scientific Equipment
Where we are
Padua, Bologna, Rome, Miami, New Delhi.
Headquarters in Padua, Northern Italy.

The vision of the Broadcast and Communications future is driven by the needs and aspirations of thousands of customers who use DB products every day in more than 160 countries.

More than 85% of DB’s production is sold overseas. With three division headquarters located in Northern Italy, facilities in Padua, Bologna, Rome, Miami, New Delhi and many worldwide sales and services locations, DB assures immediate delivery of products, systems, spare parts and instant service on every continent.

Factory and On-site Training

In order to build a reliable and efficient operation, investing only in the most advanced industry equipment is not enough. It is also necessary to secure the knowledge to operate and maintain your equipment for long service and performances. That’s why DB Group can offer two cost-effective training opportunities:

Factory Training
Standard training or programs customized for your needs at our facilities.

On-site Training
Customized programs conducted by our RF or Studio Engineers on your site.
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)
- Indian University Accelerator Centre (India)
- MedAustron (Austria)
- Universidad de Huelva (Spain)
To work with DB means:
The Best Broadcasting and Scientific Solutions for a Better World