OUR VALUES
YOUR NEEDS
EVERYWHER
Bitron history started in 1955 when Mr. Giovanni Bianco and his brothers founded the company called Fratelli Bianco.

In few years the name of the company changed to Elettromeccanica Bianco (Elbi) and the range of products was widened with electrical valves and pressure switches for the appliance industry.

Before the end of the sixties Elbi had already a sister company in Spain and the first acquisition was made. The process of building new plants and the M&A activities continued for the coming 50 years with a continuous growth in the group companies, but without any visible relation. Only in 1992 it was decided to unite them all under the same name, Bitron. Only Elbi International SpA kept the same name to remember where everything started from.

Where we come from...
Today the Bitron Group is a global privately held company with around 6,600 employees and a strong Global Footprint.

Bitron is leader in research, development and manufacturing of mechatronic devices and systems for the automotive, appliance, HVAC and energy industries

Present days
BITRON IN THE WORLD

Bitron has a global approach to the market through a worldwide manufacturing presence located in three different continents: Europe, Asia and America.

Its 15 plants are strategically positioned to serve each market locally both for Electromechanical and Electronic components.

Bitron's sales and marketing forces are spread around the Globe from the US till Japan in order to support our clients in the most accurate way.
GLOBAL FOOTPRINT

15 MANUFACTURING PLANTS AND DEVELOPMENT CENTRES
17 SALES AND TECHNICAL SUPPORT CENTRES
1 HVAC DIVISION CENTRE
1 BITRON SERVICE AFTER MARKET & SPARE PARTS DIVISION
Bitron HVAC Division has been created in 2010, since then, through our Values, we work hard to satisfy your Needs in terms of product development, production and overall support. Thanks to our global footprint we are able to do it Everywhere.

We commit to product excellence providing the highest-quality to our customers in the Heating, Ventilation and Air Conditioning markets.

Innovation is a key success factor in our strategy and we work side by side with our customers in any new development to reach the result they are looking for.

An open minded and flexible way to look at what our customers want without any prejudice is to us a basic rule to better understand the need of the market and develop new products.
A global approach to the market through a **worldwide manufacturing presence** (Italy, Poland, China, Turkey, etc…) and different **sales and marketing offices** able to follow any international customer are the basis of our philosophy.

Our products and systems include:
- Hydraulic units,
- Primary Heat exchangers,
- Electronic boards,
- Components and much more.
MANUFACTURING

As Bitron HVAC Division we use advanced automatic production lines for the assembly of its products. This kind of solutions and a high concentration of robots offers to our customers an efficient process and the highest product quality. The strong vertical integration in our technologies allow us to have a full control on the whole production cycle.

PLastic Injection

With more than 300 injection machines worldwide and close to 100 in Elbi International SpA only, Bitron HVAC Division’s HQ, plastic injection is one of the many core competences we have.

To have a complete control on the complete process we have two mold injection toolshops: one in Italy and the second one in China with a yearly production of more than 250 injection tool sets per year. Our experts are trained to make studies such as Mold flow analysis and Tool FMEA for different materials depending on the application.
MECHATRONICS

For over 50 years, Bitron Group has developed mechatronic components. Nowadays Bitron has become the first Solenoid valves supplier on the all planet and an important player in several different markets. The know-how gained in the different fields is applied also in the development and manufacturing process for the HVAC industry products.

ELECTRONICS

Electronics is one of the core business for Bitron Group, in fact 40% of the complete turnover comes from this sector. One of our strengths is the perfect interaction between the electronic boards with mechanical parts thanks to our know how in both fields; this makes Bitron the perfect Partner both for EMS and Co-Developments activities.
INNOVATION AND R&D

Innovation and R&D have been crucial for Bitron since the company foundation.

R&D is almost entirely conducted internally, although there are partnerships with Universities for specific projects. Bitron Group has an high level of know-how in designing and developing HVAC solutions in order to fulfill all customer's requests.

Bitron invests every year 6% of its turnover in R&D activities to always anticipate OEM customers' needs. About 10% of all the employees in Bitron works in R&D.
SYSTEM INTEGRATION

System integration is one of the key success factors in Bitron’s industrial philosophy. Our components and systems represent a combination of functions and performances, as well as a perfect balance between quality and cost targets defined together with our customers.

We constantly look at applications in the field to find out what we could do more or better.

The development of each component or system is the result of all the points highlighted above together with a strong synergy with our customers.
Quality is the fundamental inspiring value of the Bitron HVAC Division. The quality level is guaranteed by using latest techniques and equipments applied by highly-trained and specialized people. The effective management of quality reduces the exposure to risk for us and our customers and can make the difference between success and failure.

Bitron plants are certified ISO 9001 and several of them have also obtained ISO / TS 16949, ISO 14001 certifications.
PEOPLE

In this era of rapid change, we believe that the only certain reference point is Man, with his extraordinary capability to adapt and succeed. Based on this assumption it is clear how our employees are the key success factor to master economic, technological and environmental challenges successfully.

Also for this reason we have implemented a permanent project entitled “Safety: our way of life”; this project focuses on educating and training all of our employees on how to work in a Safe environment and promotes activities to improve every day our standards. The health of our employees is our priority.

SUSTAINABILITY

Sustainability is very important in a wide range of areas, including new-product development, reputation building, and overall corporate strategy. Bitron HVAC Division works in order to take in mind these requirements in all the supply chain.

On our website it is possible also to find the Bitron Group sustainability Report.
MECHATRONIC COMPONENTS

SINCE 1955

IN THE WORLD
15 Manufacturing plants and development centres
17 Sales and technical support centres
1 HVAC competence centre
1 Aftermarket centre

SALES BY SECTOR

CONSOLIDATED SALES 987M€

INVESTMENTS 57.7M€

HUMAN RESOURCES 6600 10% R&D (company workers included)

CORE TECHNOLOGIES
- Plastic molding, overmolding, mult-material injection
- Metal process: blanking, turning, surface treatment
- Rubber compounding and molding
- Painting, printing, laser etching
- Electronic boards, automatic assembly
- Automatic and manual assembly lines and testing
- Coil winding

*Data referred to 2019*