



# HEAVY EQUIPMENT NUCLEAR



# About us

## Profile

ATB Group, an industrial organization based in Italy and operating in over 100 countries with about 1,500 employees, is a leading player with more than 100 years of worldwide experience and expertise in the following sectors:

- **Heavy Equipment** - Manufacturer for Oil & Gas and Nuclear Power Generation industries
- **Hydro Mechanical Equipment** - Contractor for hydropower plants
- **Renewables** - Electromechanical equipment for small hydropower plants and small wind turbines supplier
- **Civil Construction & Industrial Services** - Construction of industrial complexes, infrastructure works and management of full-cycle iron and steelmaking plants

## History

The group is the synthesis of an industrial history of more than a century that is expressed through the know-how of an international player skilled in the design, manufacture and commissioning of equipment for the energy sector.

Today the group, led by Sergio Trombini, sole shareholder and Chairman of ATB Group S.p.A, is growing and expanding its presence on the global market.

In 2003, the Group has formed ATB Riva Calzoni through the acquisition and merging of Acciaieria e Tubificio di Brescia (ATB) and Riva Calzoni Impianti. Since their establishment, between the mid-19th and the early 20th centuries, ATB and Riva Calzoni have global excellent results in the construction of major energy projects and manufacture of equipment for Power generation and Oil & Gas Industries.

**AN  
INTERNATIONAL  
PLAYER  
FULLY  
FOCUSED  
ON  
ENERGY**

HEAVY EQUIPMENT  
NUCLEAR Division for:

**NUCLEAR  
FISSION**

**SMR & AMR**

**FUSION  
ENERGY**

**WASTE  
MANAGEMENT**

**ATB Group operates today in the following business sectors:**

**HEAVY  
EQUIPMENT**

**HYDRO  
MECHANICAL  
EQUIPMENT**

**RENEWABLES**

**CIVIL  
CONSTRUCTION**



# Nuclear Sector

In the early 70's, ATB started its journey in the nuclear energy market as a key supplier of nuclear components working for the most important Nuclear Engineering Companies in strategic projects such as Garigliano, Brasimone, Trino Vercellese, Cirene and Superphénix NPP, leveraging the solid experience gained in the Oil & Gas business in the previous decade.

In 2012, the Heavy Equipment Nuclear division was established thanks to new strategic investments aimed at diversifying ATB traditional business.

The new-born division was preliminarily dedicated to the fabrication of **High Level Radioactive Materials (HLRM) transportation & storage casks** in close cooperation with one of the world's leading company in nuclear waste management: ORANO TN.

Over the past few years, ATB has been expanding its product portfolio, securing contracts for both **SMR (small modular reactor)** and **Fusion energy** applications, while preparing for the next generation of Nuclear Power Plants.



ATB has been among the major international players in the design and construction of sophisticated nuclear components.





## Nuclear Island Components

- Reactor Vessel
- Pressurized
- Primary Tanks
- Containment Vessel
- Handling structures

## Balance of Plant Components

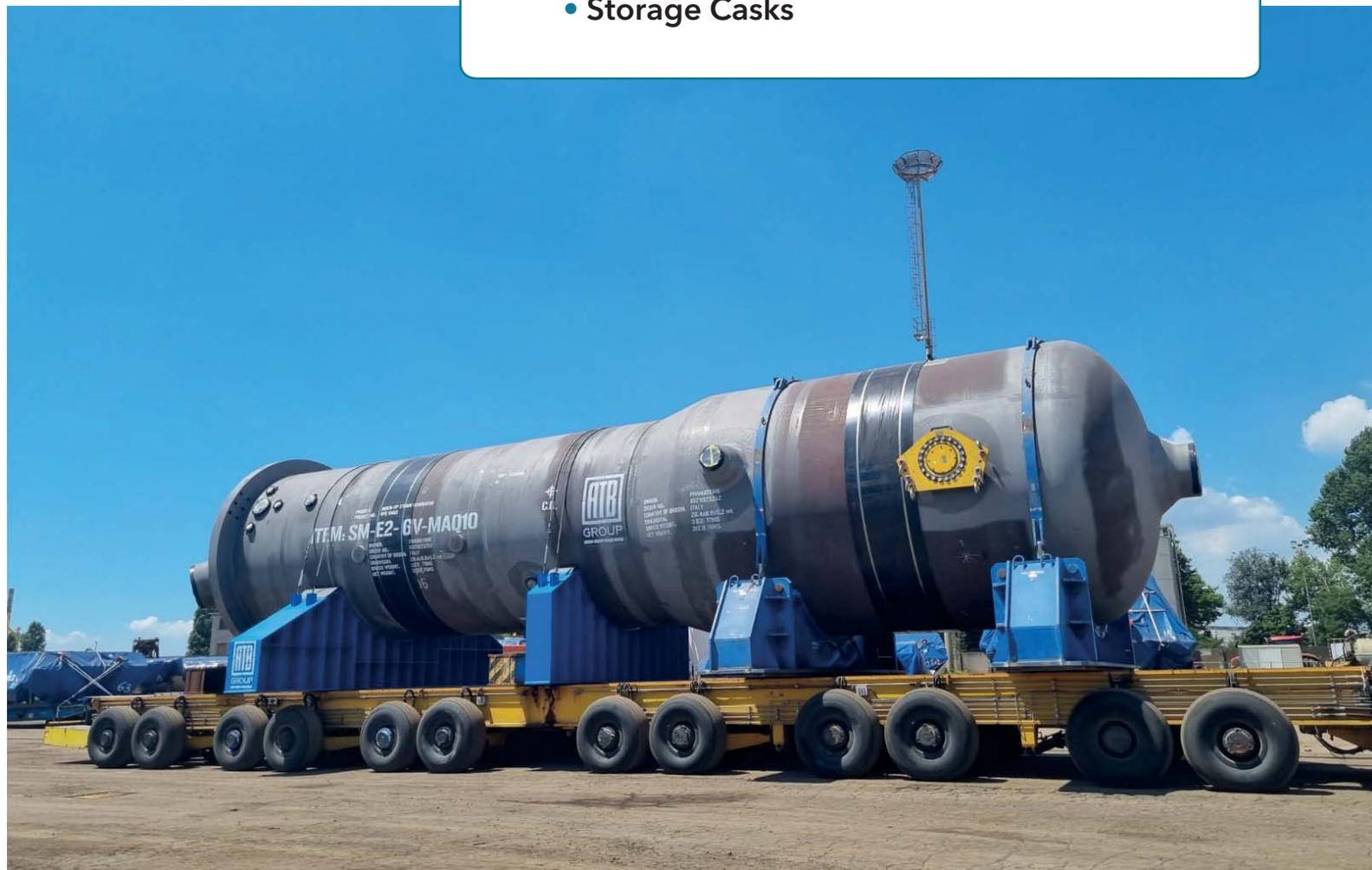
- Pressure Vessels

## Fusion Energy

- Vacuum Vessel
- Machined Steel Components

## Waste Management

- Transportation Casks
- Storage Casks



# Industrial Assets

ATB Riva Calzoni manufacturing facilities are located in the Northern part of Italy. **The main workshop location is in Roncadelle, Brescia**, with a total area of about 150,000 sqm out of which about 39,000 sqm are covered.

**The second workshop is located in the Industrial Area of Porto Marghera, Venice**, on a total surface of approximately 28,000 sqm with direct access to seaport facilities allowing transportation of large size and heavy weight (up to 2.000 ton) equipment.

## Technological Leadership

- Heavy Plate Rolling
- Head Forming
- Automatic Welding and Weld Overlay
- Machining
- PWHT Furnaces
- RT Bunker with Linatron Accelerator
- Laboratory & Testing Facilities
- Special Coatings (Resin pouring, HVOF)
- R&D and Welding School



**MADE IN ITALY**

## Services

- **Engineering**

- **Feasibility Studies:** from client's concept to Industrialization
- **Detail Engineering** according to main international codes such as ASME III and RCC-M.

- **Fabrication**

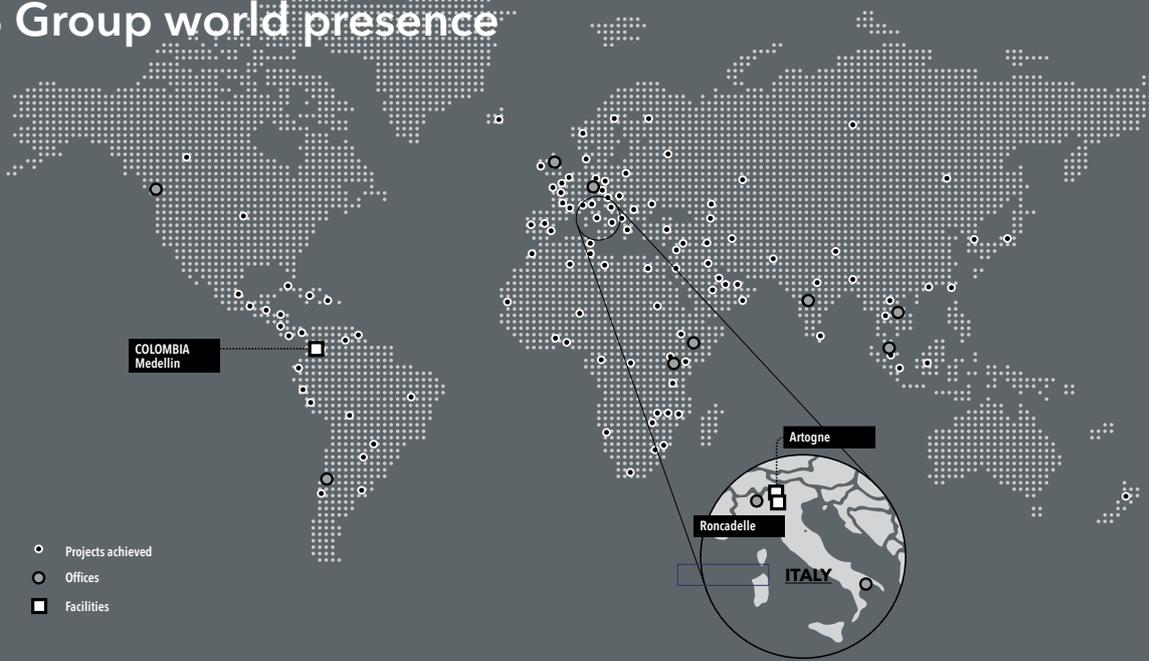
- Forming of single piece Heads
- Forming of Head's Sections (petals)
- Large Size Component Machining activities
- Large Size Component PWHT activities

- **Testing**

- RT examinations for high thickness nuclear components



# ATB Group world presence



## Facilities



150,000 sqm - Roncadelle - Italy



9,000 sqm - Girardota - Colombia



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