



# Company Profile

**MACCAFERRI**

In the second half of the 19th century we invented Gabions and dramatically changed civil engineering's landscape. We are still changing it today. We work every day to find better solutions for our clients at every degree of latitude and longitude.

We make innovation happen around the world, we share our knowledge capital and we offer to our clients and partners ongoing support to establish relations built on solid trust.

This is us: **Maccaferri**.





For over 140 years, we have researched, designed and developed solutions to solve technical problems within the Civil Engineering, Geotechnical and Environmental Construction Markets.

## 1879

### The origins

On May 3, 1879 Raffaele Maccaferri established “Ditta Maccaferri Raffaele, Officina da Fabbro” in Lavino (Bologna) for the production of wrought iron items.

## 1907

### Beginning of expansion

The original “sack” gabions were followed by the new box-shaped design, which was used in many large public work projects.

## 1946-1966

### New launch and products

Reorganisation and re-launch of production. Creation of new products: Maccaferri was the first company in Europe to introduce ‘heavy duty’ galvanising. In 1966 Florence was hit by disastrous floods. Gabions proved to be extremely efficient for the reconstruction of roads and water courses.

## 1893

### The gabion invention

“Ditta Maccaferri” invented the famous gabion. The old craft trade grows into an industrial enterprise.

## 1914-1940

### Diversification

Start of the diversification process: 18 new companies set up, through mergers and new acquisitions.

## 1996-2005

### Evolution

Start of systematic partnerships to offer to customers a full range of durable and cost-effective environmental solutions. Maccaferri enters the Geosynthetic market with its own portfolio of solutions.

## Today

### New challenges

Development of new value-added solutions: Geosynthetics specialities, Rockfall protection and smart early-warning systems, applications for tunnelling and solutions in the defence and security sectors.

## 1967-1995

### Five continents

Operations expanded over 5 continents. Sharp acceleration in geographical and product diversification. New market approach in compliance with international standards and specifications. Overseeing presence of our engineers at the most important sites in every part of the world.

## 2006-2018

### Expansion

Geographical expansion through localization and further widening of the portfolio of environmental engineering solutions.





## VALUES

Our values are the foundations of Maccaferri which have defined our success for over 140 years.

- M** People
- M** Entrepreneurship
- M** Open Mindedness
- M** Passion
- M** Knowledge



## VISION

Trusted global partner, **nurturing** the world of tomorrow, harmonizing life and nature through innovative solutions.

**Nurturing** for Maccaferri means to care, to protect, to be responsible for. Our vision is not just about 'what' we want to be but even more importantly it is also about 'how' we want to be as an organisation. Responsible, respectful, caring, and sensitive not only to the environment but also very much to our people, our stakeholders and to the world at large.



## MISSION

Pursue excellence through continuous improvement while delivering to our customers engineered solutions that are innovative, advanced and environmentally friendly.

We are committed to outstanding safety, quality and sustainability, to create value for all stakeholders as well as our communities.



Sales in **100+** countries



Revenues ~ **500 M€**



**3,000+** employees



**23** factories



**60+** subsidiaries

Double twisted steel wire solutions	Rockfall and natural hazards protection	Geosynthetics solutions	Tunneling solutions	Other products and services
<p><i>Modular units to form flexible, permeable and monolithic structures such as retaining walls, channel linings, hydraulic control structures and erosion protection</i></p>	<p><i>Active and passive systems at various level of energy absorption capacity to enhance the security and safety of people, roads, railways, slopes, mining operations and property</i></p>	<p><i>Polimeric solutions used to strengthen existing ground, improve bearing capacity, make highways last longer, support embankments, stop landfill leachates contaminating the ground and limit erosion</i></p>	<p><i>Unique and innovative systems to address a number of aspects in underground support works, even those in the most challenging ground conditions</i></p>	<p><i>Solutions for defense and security applications, industrial and construction wire and other systems</i></p>
<p><b>Gabions, Reno Mattress™, Terramesh™, Roadmesh™, Cubiroc</b></p>	<p><b>Rockfall Barriers (RB and EPFM series), Debris Flow Barriers, Steelgrid™, MacArmour™, HEA Panels, Ring Panels, HELLOMAC</b></p>	<p><b>Geogrids (ParaLink™, ParaGrid™, ParaDrain™, MacGrid™), Geostrips (ParaWeb™), Drainage Geocomposites (MacDrain™), GeoMats (MacMat™), Geomebranes (MacLine™) and Geotextile (MacTex™)</b></p>	<p><b>P.E.R. Ground System, B.Zero Tondo Steel Arch, GFRP Reinforcement</b></p>	<p><b>Defencell-Mac™, MacSafe™, Kikkonet™, Wirehoods; Wire Mesh Fences, Wire</b></p>



Transportation Infrastructure



Environmental Protection



Urban Infrastructure



Building, Industry, Sport



Coastal & River Control Works



Emergency & Floods



Agribusiness



Defence & Security



Mining



Oil & Gas/Energy

**Our main stakeholders:** Development banks; Governments; Developers and Private Investors; Designers and Contractors; Mining, Oil and Gas Companies; Architects and Landscapers



# WHAT WE DO – APPLICATION AREAS

We are strongly committed to solving our clients' problems by providing better solutions through attentive listening, innovation and collaboration.

 **Retaining Walls & Soil Reinforcement**

 **Soil Stabilisation & Pavements**

 **Environment, Dewatering & Landfills**

 **Safety & Noise Barriers**

 **Hydraulic Works**

 **Industrial manufacturing**

 **Drainage of Structures**

 **Fencing & Wire**

 **Rockfall Protection & Snow Barriers**

 **Basal Reinforcement**

 **Tunnelling**

 **Aquaculture Nets/Cages**

 **Erosion Control**

 **Coastal Protection, Marine Structures & Pipeline Protection**

 **Landscape & Architecture**

 **Concrete Flooring, Precast & Other Uses**

At Maccaferri we do not simply sell products: we provide better solutions — identifying, addressing and responding to the specific needs of each client. Maccaferri is a partner who works alongside customers from the start of the project, maximising value for money through technical expertise and an extensive portfolio of quality products.



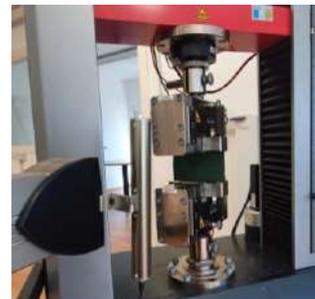
“ Our worldwide network grows through innovation and diversification of sectors of activity and through an increasing range of high quality and environmentally-friendly products and applications.



// We were founded on innovation and in 1893 we started a journey towards it. This is our identity: striving to be on the lookout for a better engineering solution and leveraging on the knowledge to satisfy our clients.

In 2014 Maccaferri created a centre of excellence entirely dedicated to research and development, concentrating in a single place the capital of knowledge and know-how: the Maccaferri Innovation Center (M.I.C.), located in Bolzano, Italy.

Our know-how and technical expertise mean also the development of web-based software for optimized design of products/applications.



Environmental protection is an essential factor for Maccaferri. Our solutions are designed and developed with an eye on quality of life and on preserving the environment and our communities for future generations.

As product manufacturer as well as designer, we can combine products, creating tailor-made solutions to optimise construction time and cost. This can:

- M** Optimise the use of 'site-won' materials
- M** Reduce environmental impact/carbon footprint
- M** Reduce site waste through creating bespoke materials

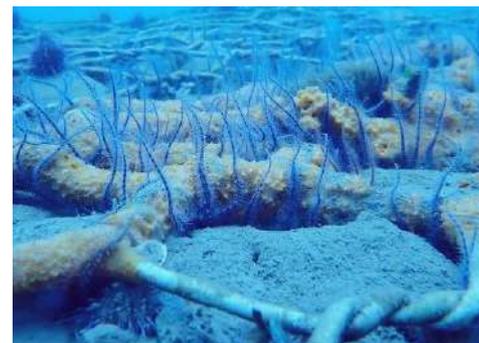


We promote our commitment to transparency as a means for improving the environment and increasing the sustainability, providing objective, reliable and comparable information about the life-cycle environmental impact of our products.

This shows our sense of responsibility and our commitment in order to provide solutions with the possible lowest impact on the environment. To learn more, download the Environmental Product Declarations on [maccaferri.com/EPD](http://maccaferri.com/EPD)

Furthermore, many of our products are certified and tested by leading institutes in accordance with latest guidelines and standards (ETAG027, EN10223-3, ISO17746, ISO17745).

Products certifications include: CE mark, BBA Agrément Certificate, NF mark, COPRO mark, etc.





## VERSATILE AND COST EFFICIENT SOLUTIONS

Tailored to solve your problems



Basal Reinforcement | ParaLink™ | Russia



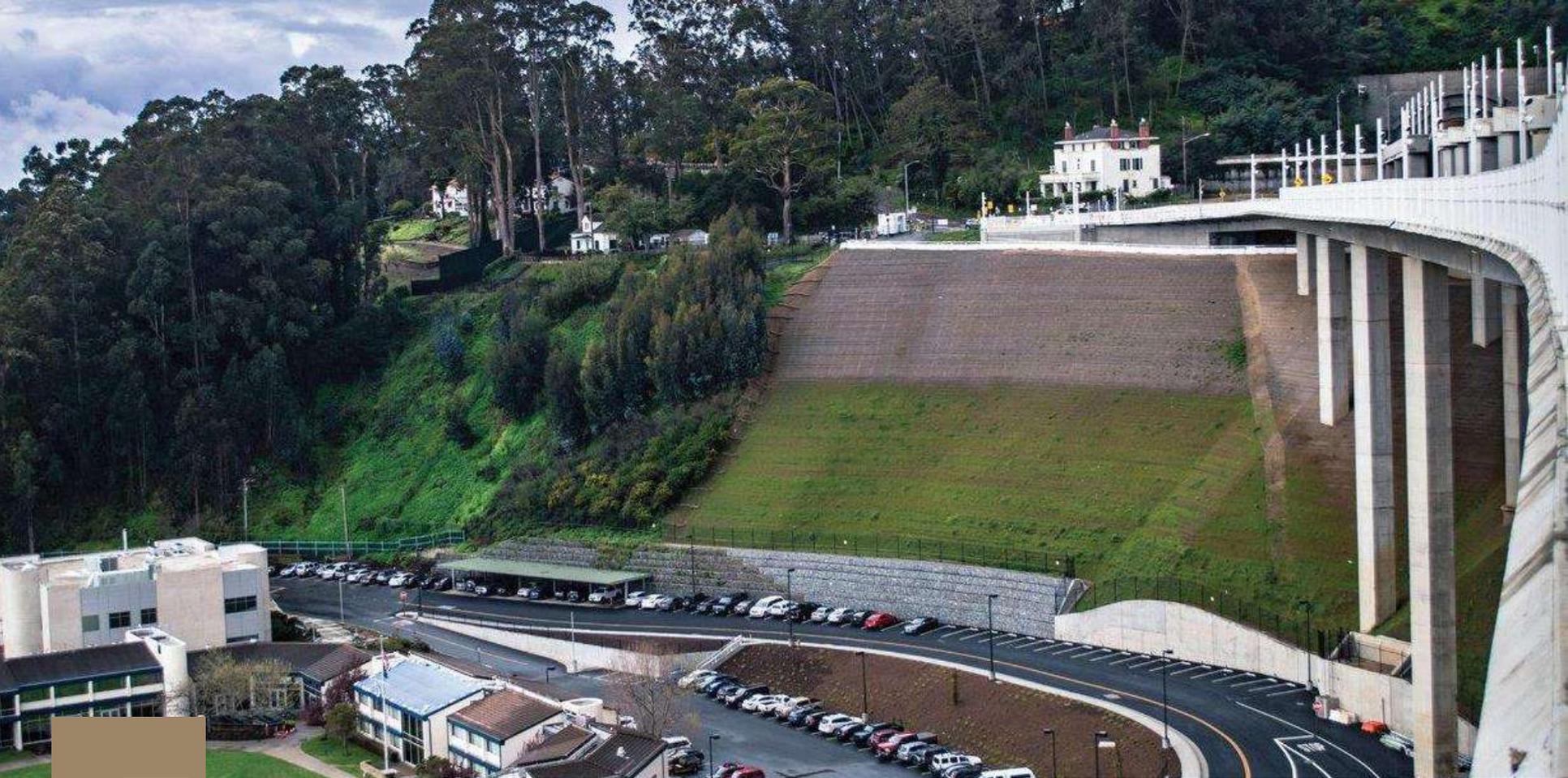
Basal Reinforcement | ParaLink™ | Oman



Soil Reinforcement | Terramesh™, MacGrid™ WG | China



Soil Reinforcement | MacRes™ with ParaWeb™ | UK



Soil Reinforcement | Green Terramesh™ | USA



Soil Reinforcement | Terramesh™ System | South Africa



Erosion Control | MacMat™ R | Ecuador



Erosion Control | MacMat™ R | Russia



Rockfall Protection | HEA Panels, Rockfall Netting | India



Rockfall Protection | Rockfall Barriers | France



Soil Stabilisation | MacGrid™ WG | Brazil



Coastal Protection | MacTube™ | USA



Coastal Protection | Reno Mattress™ | South Africa





Hydraulic Works | Reno Mattress™, Gabions | France



Hydraulic Works | Green Terramesh™, Gabions, Reno Mattress™ | South Africa



Drainage of Structures | MacDrain™ | Russia



Drainage of Structures | MacDrain™ | Brazil



Environment & Landfills | MacLine™, MacTex™, MacDrain™ | Portugal



Environment & Landfills | MacLine™, MacDrain™ | Peru



Tunnelling | B.Zero Tondo | Italy



Safety & Noise Barriers | Terramesh™ | Italy



Safety & Noise Barriers | Defencell-Mac™ | USA



Safety & Noise Barriers | MacSafe™ | France



Landscape & Architecture | Gabions | France

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