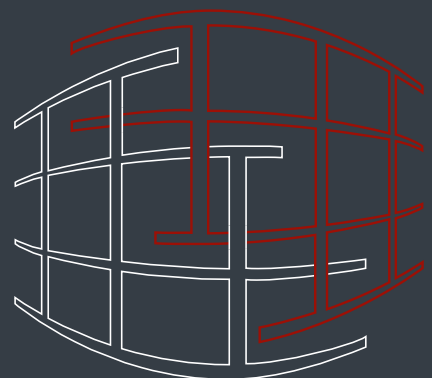




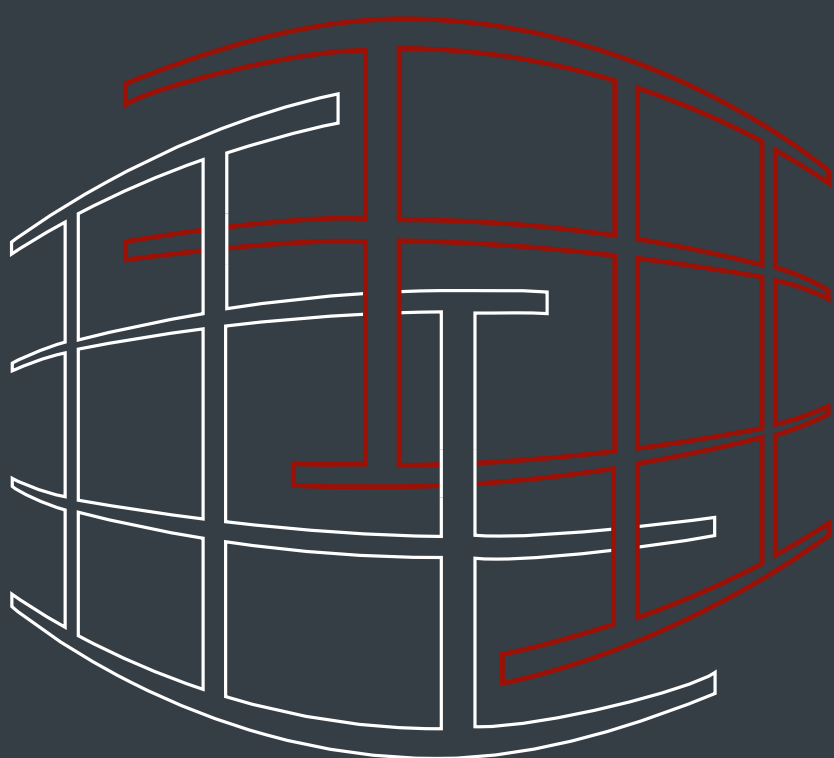
Advanced solutions for safe and sustainable infrastructure



This is how we bring major works into the future



FIBRE NET GROUP



FIBRE NET GROUP

**we shape your ideas
safety for your projects**

FIBRE NET GROUP

FIBRE NET GROUP is a crew that faces the waves and currents of an evolving world every day, charting the course of product and service quality and steering its bow towards its North Star: the satisfaction of its customers

Born as a company specialized in the production of composite materials for construction, infrastructure, and industry, today FIBRE NET GROUP gathers engineering, production, and innovation expertise through the brands:



Systems and products for the safety, reinforcement, and restoration of existing structures



Access, service, and containment structures of industrial and infrastructural sites in GRP



GRP perimeter and confinement fences for electrical and electromagnetic interference risk areas



GROUP



FIBRE
NET
composite engineering

ITA
15398

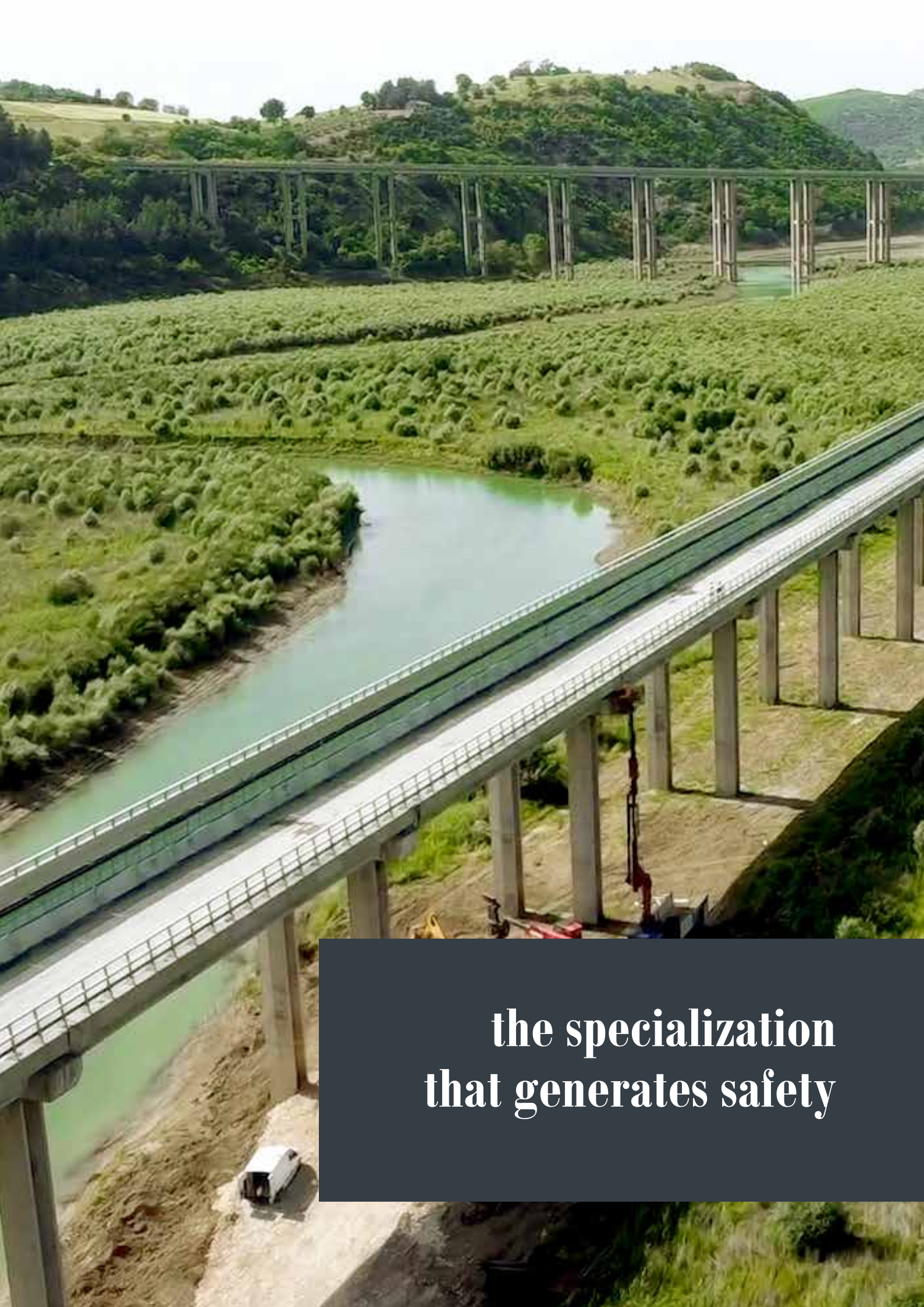
GER
50

A
05

#SENZAFURCAN

LEA MARNE

11



**the specialization
that generates safety**

*FIBRE NET GROUP is specialized engineering,
production, assistance, research, and
experimentation at the service of safety in the
world of infrastructure*

Our professional and dimensional growth has gone hand in hand with our commitment to spreading the culture of innovative composite materials, applied to structural engineering through intervention techniques such as FRP, CRM, and FRCM.

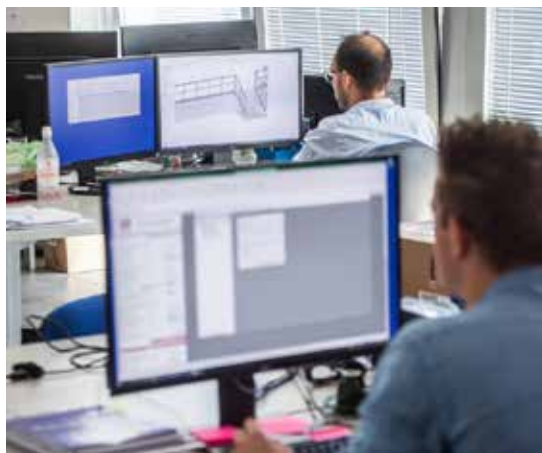
Today, also thanks to the introduction of high-performance technical mortars, we are recognized as a Group capable of offering a 360° proposition in the field of reinforcement and restoration solutions for infrastructure.

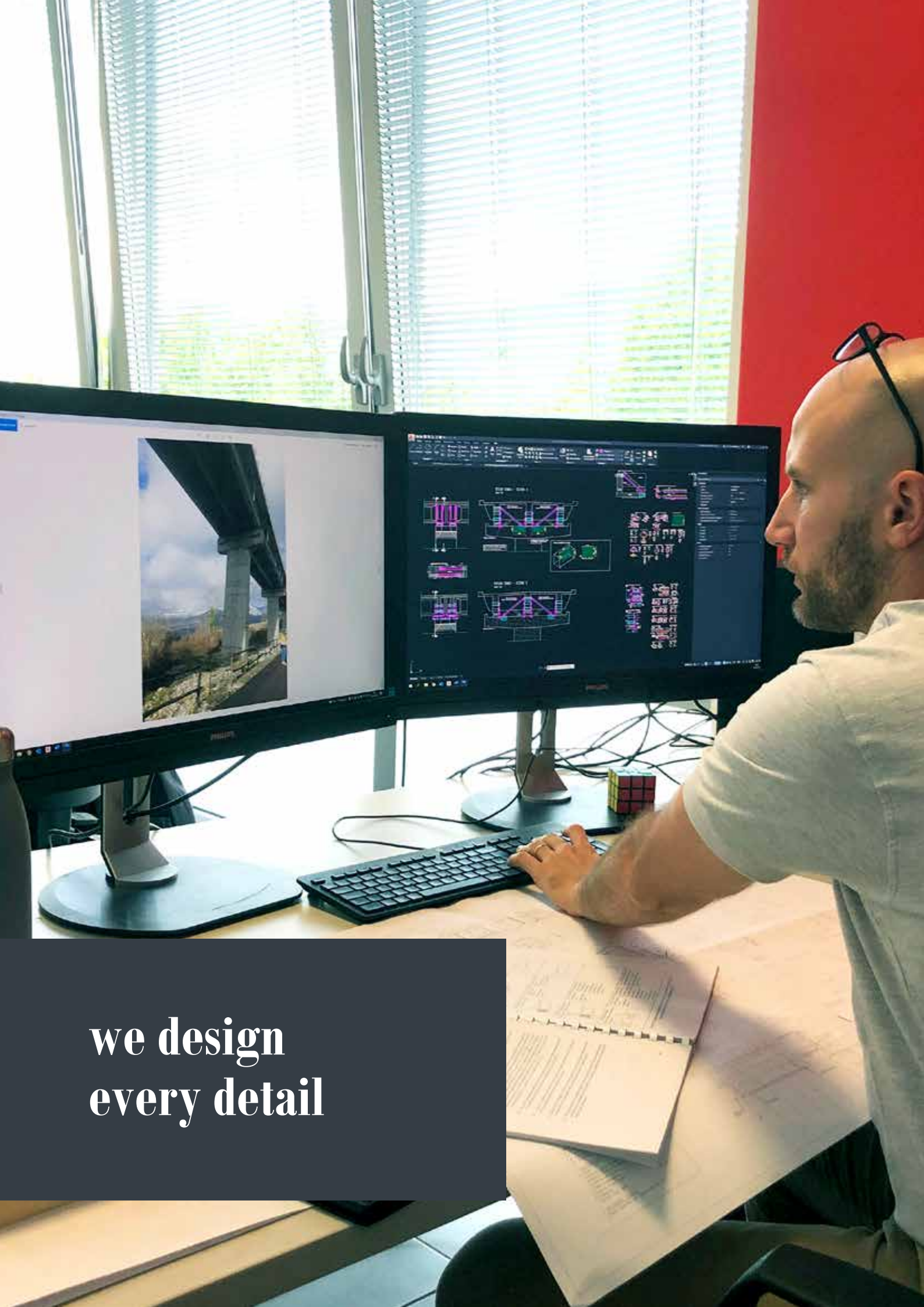


A team of engineers leads various highly qualified multidisciplinary working groups in design and project consulting.

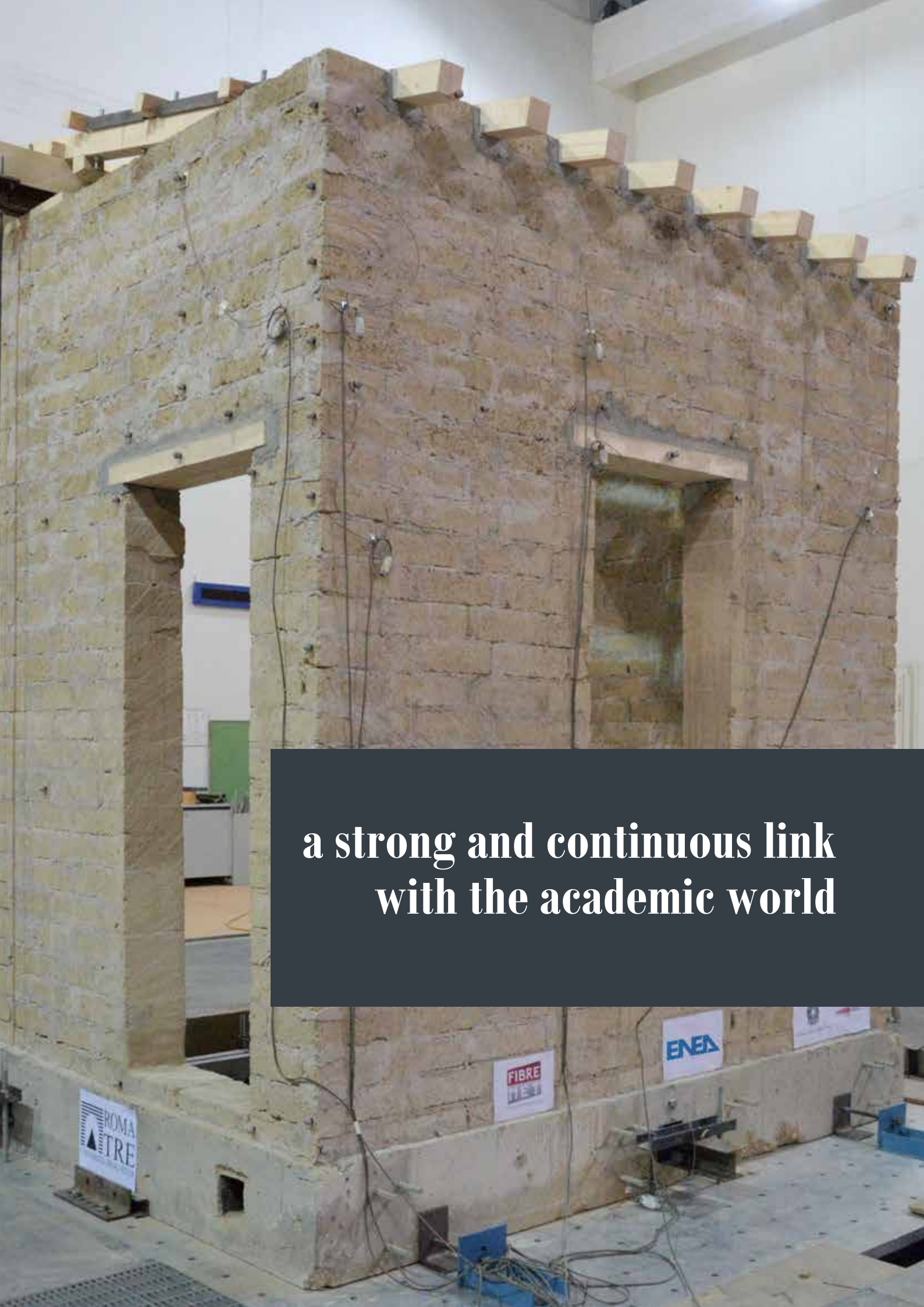
The value of the Group for the entity, the designer, and the company lies in the integration of engineering skills and management capabilities that allow intervention on large-scale civil and infrastructural projects.

Our services? Technical assistance from design to contracting and on-site execution: feasibility analysis, structural design, management optimization of the intervention, quality control, on-site testing, monitoring of time and costs.





we design
every detail



**a strong and continuous link
with the academic world**

Our strength: Research & Innovation

*FIBRE NET has always been an innovative reality,
in continuous evolution, focused on the
development of solutions for structural
improvement of the existing.*

The Group develops research and experimentation activities in collaboration with universities, research institutes, and independent entities. From these synergies, which span more than twenty years, arise validation and certification activities for innovative products and solutions, as well as software and verification tools to support the designer and the project manager.



FIBRE NET been producing systems for restoration and structural consolidation for over 20 years in accordance with the requirements set by the main infrastructure managers for mobility

Alongside composite materials for structural reinforcement and seismic improvement using FRP, FRCM, CRM techniques, mortars, and technical products for restoration and maintenance, the Group engineers and produces products, structures, and technical fences in PRFV for the energy, railway, and airport sectors.

Themes such as safety, performance improvement, and compliance with the construction characteristics of structures are the foundation for the development of every FIBRE NET system and product.

In the production process, particular attention is paid to issues related to sustainability and environmental impact through:

- consistent quality in products and processes;
- energy-efficient and low environmental impact production processes;
- recyclable products;
- sustainable transport/logistics construction sites.



A large roll of green safety netting is shown in a factory setting. The netting is unrolled and draped over a blue metal frame. In the background, there are various industrial machines, including a yellow one with a control panel and a red one. The scene is brightly lit, suggesting an indoor industrial environment.

for over 20 years
we produce safety



FIBRE NET confirms itself as a reliable partner for the entire construction supply chain, offering innovative solutions developed in compliance with environmental sustainability.

FIBRE NET is committed to environmental sustainability through low-impact production processes, quality controls on products and processes, and the production of recyclable products. ISO 9001 and ISO 14001 certification attest to its commitment to the controlled management of all production phases.



FIBRE NET has completed the environmental impact assessment process for its main products, in compliance with ISO 14025, for the development of Type III Environmental Labels and EPD documents.



The Group has been awarded for its financial and management performance with the High Honor of the Felix Industry Financial Statement. This recognition of financial solidity makes the company a reliable and competent partner for large contracts.

REINFORCEMENT FRP

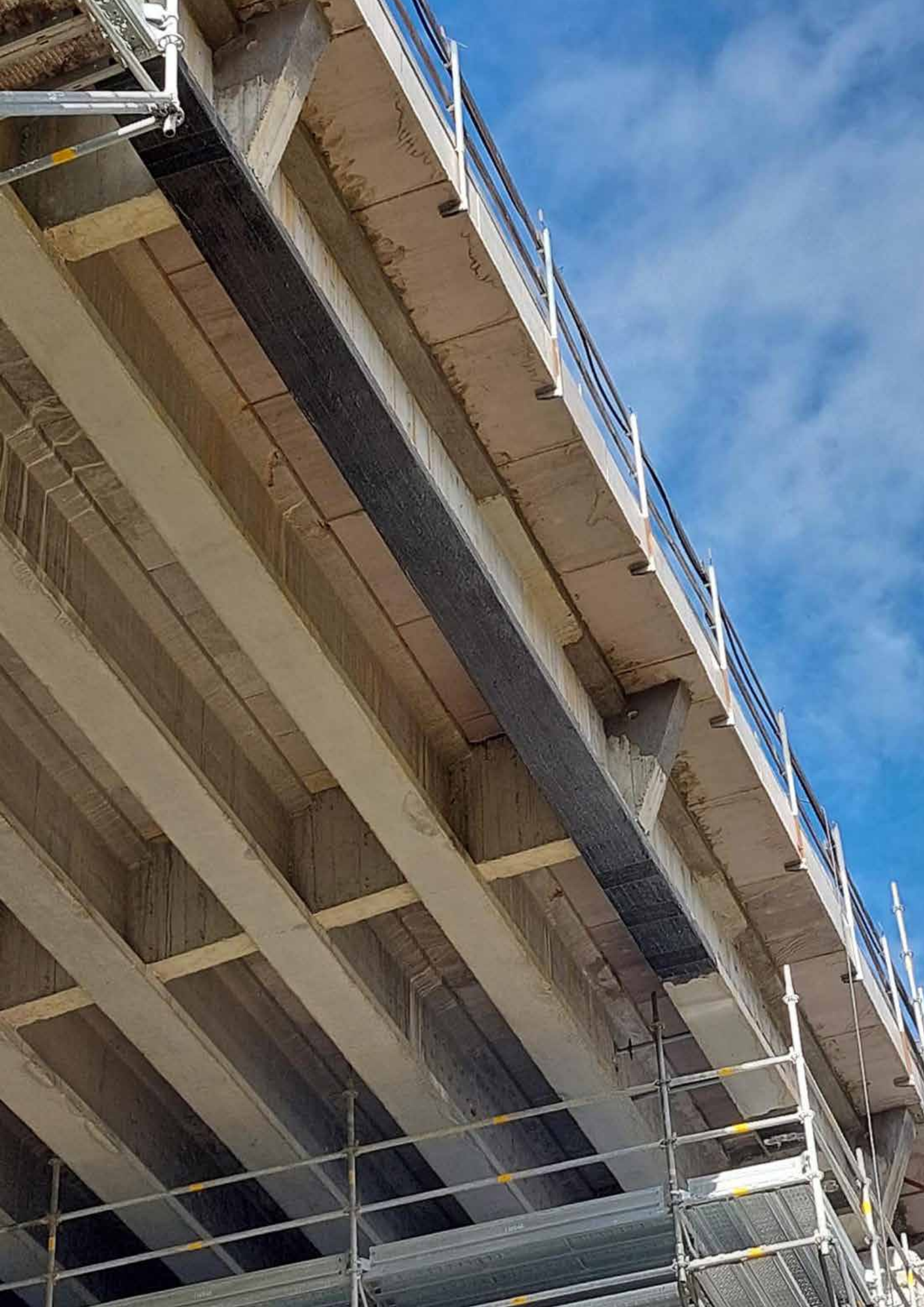


BETONTEX

Under the FIBRE NET brand, there are FRP (Fiber Reinforced Polymer) structural reinforcement systems and products made from fabrics, nets, flakes, sheets, and preformed bars in carbon fibers and epoxy matrices, suitable for interventions on concrete and masonry.

Thanks to their high mechanical properties, lightweight nature, and resistance to corrosion, FRPs are used for structural restoration, static and seismic improvement, and upgrading of elements in infrastructure works.







RI-STRUTTURA

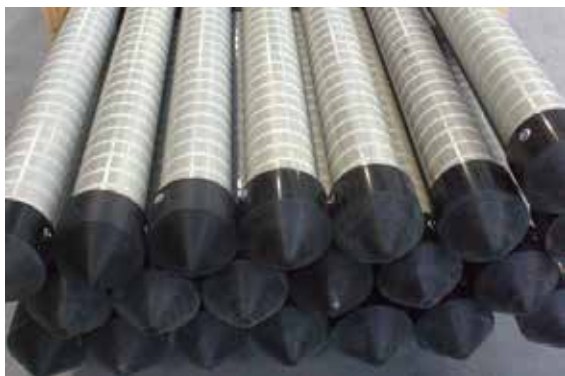


Grids of various weights and characteristics made of fiberglass and thermosetting resins, usable in the structural reinforcement of masonry with the CRM System and as auxiliary reinforcement in concrete restoration works.

Transparent, non-magnetic, and with high chemical and mechanical resistance, GFRP elements are applied to curved surfaces, medium diameter circular pillars, abutments and arches of bridges, horizontal and vertical surfaces; they prevent the formation of micro-cracking in the cortical restoration of parts of viaducts, domes, and tunnel footings.



G-TECH



GRP pipes are developed for the temporary consolidation of the excavation face in the construction of new tunnels and for the permanent stabilization in underground works. Among the intrinsic characteristics of the product, its lightness and high tensile strength stand out, combined with easy removal using traditional excavation equipment, which allows for safe operations.

Lightweight and resistant GRP micropiles, suitable for applications even in highly corrosive environments and in the presence of stray currents, contribute to the improvement of the mechanical properties of soils, fulfilling the function of subfoundations or reinforcement of existing structure foundations.







The prefabricated bars in GFRP (glass fiber) and CFRP (carbon fiber) are used as reinforcements for concrete pours, structural anchors, reinforcements, and consolidations on artworks, both temporarily and permanently.

They offer high mechanical and chemical resistances, being materials free from carbonation phenomena, chloride contamination, and interference from galvanic currents.



BARS GFRP/CFRP

RESTORATION MORTARS



The Technical Mortars line of FIBRE NET includes a wide range of products dedicated to restoration, reinforcement, and consolidation interventions for infrastructure works according to the requirements set by the main road and rail operators:

- mortars and concretes for structural and surface restorations;
- binders for the production of high-performance concretes;
- mortars and products for waterproofing and protection;
- technical products for concrete pours, anchoring, grouting, and road joint installation.







P-TREX designs and produces elements and structures in GRP: dedicated team, know-how, and production lines ensure the development of certified and customizable solutions.

Technical structures made of composite GRP material are designed to ensure high durability and minimize maintenance costs. Custom-designed to serve the operation of plants and works of art, they ensure the safety of the work environment.

The excellent insulating properties make P-TREX structures suitable for applications where electrical risk is constantly present, such as electrical distribution stations, the railway sector, and areas designated for TE, as well as sensitive areas with stray currents.



GRP SOLUTIONS

FibreFENCE Fencing Solutions develops and produces composite material fencing systems used in the mobility, electrical, and telecommunications sectors to delineate and protect electrical stations and substations, as well as sensitive areas where electrical insulation, non-magnetic properties, and corrosion resistance are required. Depending on the fields of use, the two dedicated lines are able to meet the client's needs.

FibreFENCE Tech: fences and gates made of GRP, which are used as perimeter and confinement barriers. They combine high resistance, low maintenance, and lightness, making them particularly suitable for electrical stations, railway lines, and industrial areas.

FibreFENCE Airport Solutions: thanks to their radio-transparency and fragility properties, these fences ensure the protection of sensitive areas in airports.







alongside the designer,
alongside the contractor

*A team of specialized technicians entirely
dedicated to large-scale projects*

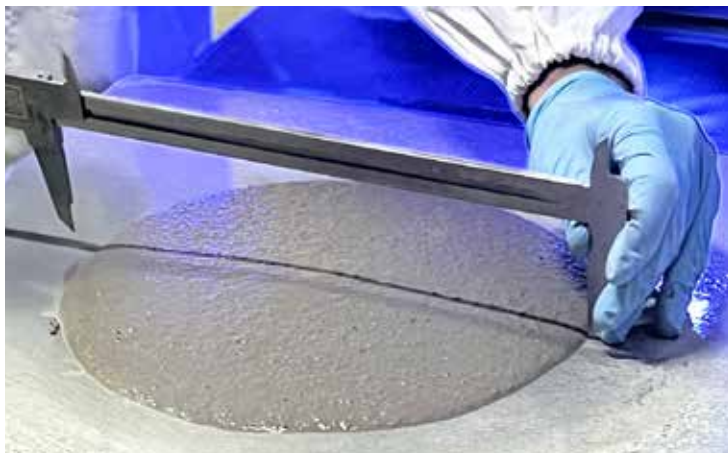
FIBRE NET GROUP provides direct training to the workforce on site for the correct preparation and installation of all systems, assistance during all work phases, and material testing, up to the final operations of the site.



ASSISTANCE

When we think of a new product or an innovative system, we do not limit ourselves to the typical application for which it was created, but we continue to test, analyze, and design to better understand the nature and potential of innovation

The FIBRE NET Research Center consists of multiple laboratories and areas dedicated to research; cutting-edge technologies and instrumentation are made available to partners for conducting tests, even on-site, for diagnosing issues, and for the mechanical and chemical characterization of materials and intervention cycles.

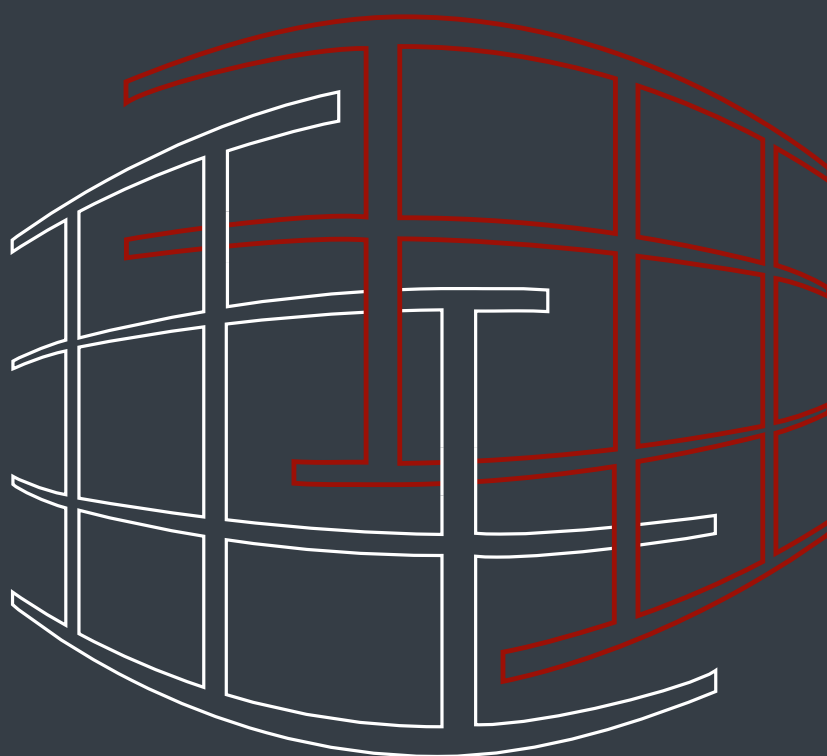


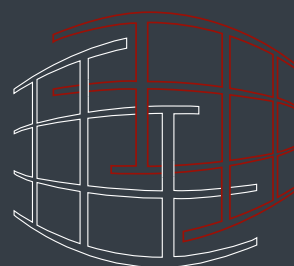


**It is through technical
research that our growth
is consolidated**

FIBRE NET GROUP

**an idea, a passion,
a story in continuous evolution**





FIBRE NET GROUP



Fibre Net S.p.A.
Via Jacopo Stellini, 3 - Z.I.U.
33050 Pavia di Udine (Ud) ITALY
Tel. +39 0432 600918
www.fibrenet.it - info@fibrenet.it



Certified company by
SGS in accordance with
ISO 9001:2015 standard



For more information contact your area Fibre Net SpA engineer. Any technical advice provided, verbally or in writing, concerning the application method or use of our products, based on our know-how at the time, does not make us in any way responsible for the final result of the work. The instructions, data and illustrations in this folder are provided by way of example and are not binding; for complete and exhaustive information on product specifications and methods of use please refer to the latest product data sheets. The purchaser should check our products are suitable for the use and purposes for which they are adopted and assumes all responsibility for the same. Fibre Net SpA is in no way liable for the improper use of materials.

Typos or spelling mistakes are accepted and do not invalidate the purpose of this issue, which cancels and replaces any previous version.