



GRP ACCESS PLATFORMS



ABOUT US

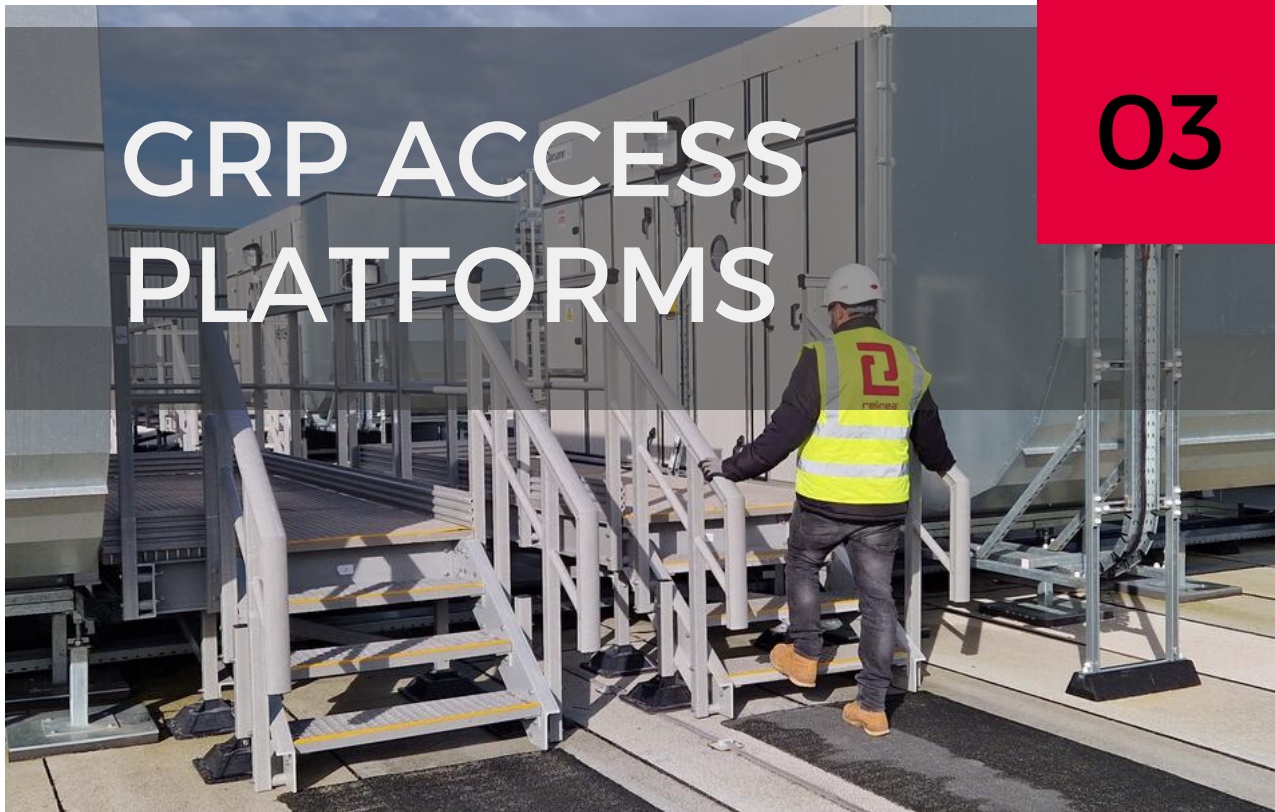
Relinea is a trusted, pioneering expert with 18 years' experience designing and delivering alternative composite solutions to the construction industry. We are at the forefront of a revolution in materials through GRP innovation & design.

We innovate, design and fabricate advanced technical GRP structural components to overcome weight, corrosion and slip issues. With a revolutionary approach that uses intelligent GRP design and innovative composite manufacturing to challenge the conventions of construction, we work with our clients to find unique, long-lasting, sustainable solutions.

Our GRP designers, technicians, and installation teams deliver entire projects from start to finish. Our team has a deep understanding of our customers' operational and process challenges, and the expertise and specialist knowledge to design bespoke GRP solutions. Harnessing our strengths, we develop new products and services that fulfil our customer's needs and help build a better, stronger, more sustainable world.

GRP ACCESS PLATFORMS

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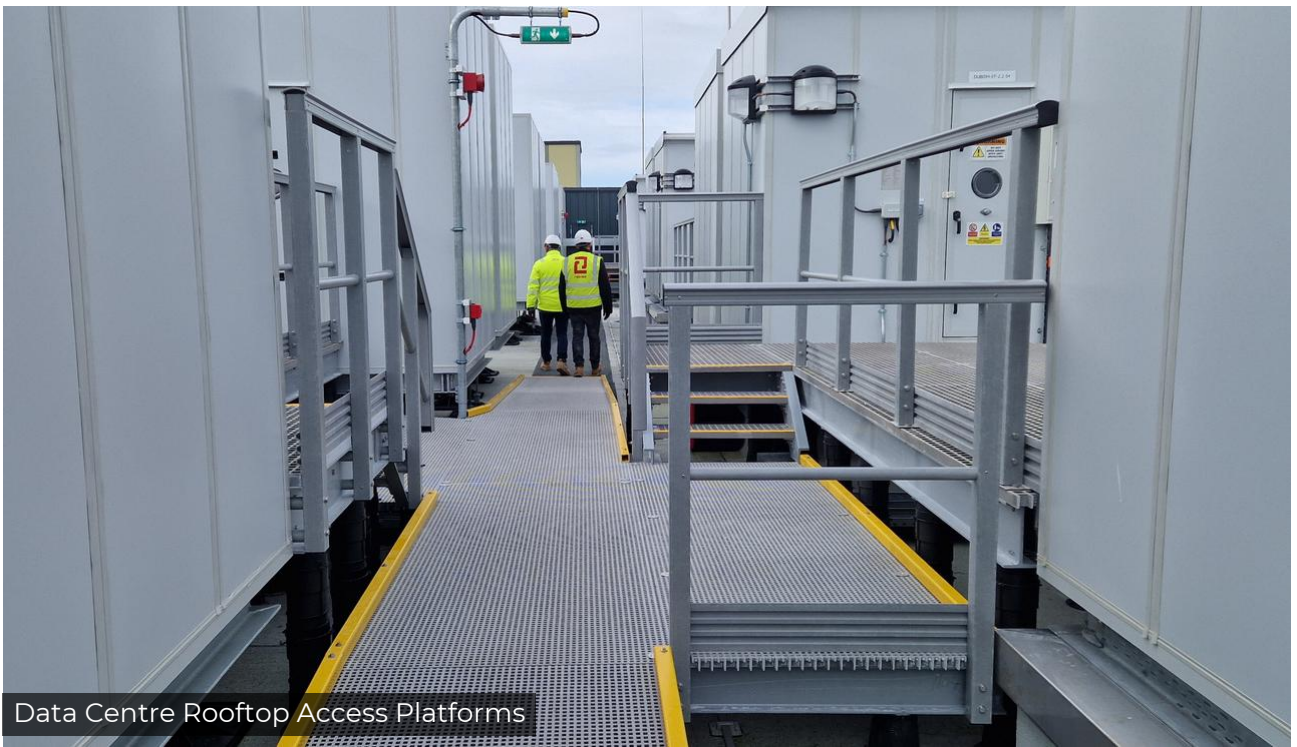
Our Pre-engineered Modular Glass Reinforced Plastic (GRP) Access Platforms, are manufactured using Re-Struct GRP Profiles. These versatile structures can solve seemingly impossible access problems.

Relinea Bespoke Structural Platforms can be employed for safe access for Rooftop Walkways, Wastewater Treatment Works, Rail Driver Walkways, Chemical Bund Access, and many other industrial applications.

They allow for safe access and clear delineation of acceptable walking routes over pipework, cable trays, ducting, industrial machinery, gutters, and walls. Designed to make navigating surroundings less hazardous and more time-efficient, access platforms are essential for health and safety.

Durable and maintenance-free, our platforms can be manufactured with grating stairs, landings, safety handrails, and kick plates. All of our platforms, bridges, and walkways are fabricated to our customer's needs and can be custom-built to fit seamlessly in and around existing structures.

The lightweight GRP makes for easy transport, handling, and reduced load on existing structures. Quick and easy to install, our platforms are a fantastic option for use near electrical installations as they are non-conductive.



Data Centre Rooftop Access Platforms



Step Over



Railway Access Platform



Rooftop Access Steps & Platform



GIS Access Platform



Rooftop Access Walkway and Step Overs



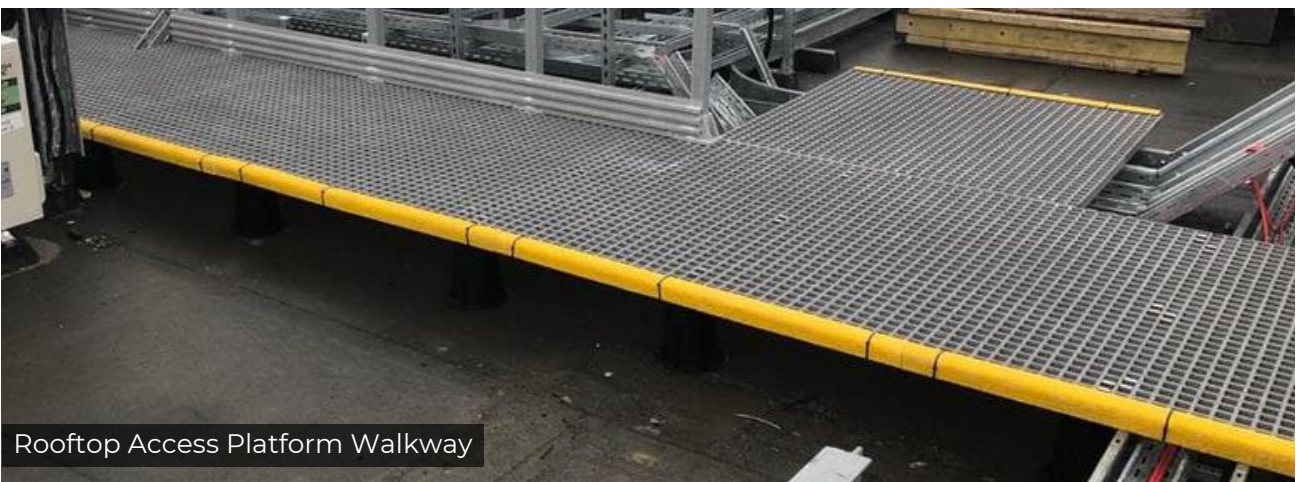
Step Overs with Handrailing



Railway Platform



Rooftop Maintenance Access Platforms



Rooftop Access Platform Walkway



CASE STUDY - DATA CENTRE SUBSTATION GIS ACCESS PLATFORM

Problem/Challenge

Relinea has extensive experience and an in-depth knowledge within the data center sector, working in partnership with the most prominent data center organisations across the globe

The client required us to design and build a cost effective, safe, non-conductive platform to enable access to the substation switchgear. A non-conductive product was required for health and safety, due to the close proximity of the platform to the switch gear. In addition, a mobile working platform was required to provide easy access to the switchgear control panels for inspection and maintenance.





Solution

Our GRP Access Platform provided the perfect working solution to all of the challenges of this project. Due to the high conductivity of the area, the client required a product that was non-conductive but also provided a durable maintenance-free solution.

Due to the non-conductivity of GRP, the platform did not need to be earthed, making it safe for use in the substation. This particular platform was manufactured with an access staircase, safety handrails, and kick plates. An additional GRP stair viewing and maintenance access platform was made on wheels, so it can easily be moved along the side units for inspection and maintenance.

Relinea's GRP access platforms are maintenance free which reduces the long-term costs of the system whilst providing peace of mind that the product is fit for purpose for the next 25+ years.





CASE STUDY - DATA CENTRE ROOFTOP ACCESS PLATFORMS

Problem/Challenge

The client required us to design and build cost effective, safe, non-conductive platforms to enable access to the air handling units which were in place on the roof.

A total of 104 access platforms were required along with 21 ramps. Our design had to ensure that the platforms were designed to enable each section to be manoeuvred around the area but fabricated in a way to enable installation to be carried out quickly.





Solution

Our GRP Access Platform provided the perfect working solution to all this project's challenges. Due to the lightweight nature of GRP, it is ideal for a rooftop installation. The lightweight GRP makes for easy transport, handling, and reduced load on existing structures. Quick and easy to install, our platforms are a fantastic option for use near electrical installations as they are non-conductive.

Manufactured using Re-Struct GRP Profiles, our GRP Platforms and steps are a safe, versatile, and maintenance-free solution. The installation provided a safe rooftop access solution, enabling safe inspection and maintenance of all areas identified within the project scope.

GRP Access Platforms can be manufactured with grating stairs, landings, safety handrails, and kick plates. All our grp platforms, bridges, and walkways are fabricated to our customer's needs and can be custom-built to fit seamlessly in and around existing structures.

Our teams have significant experience working on high-security and confidential projects. We know how to complete urgent projects within tight time frames. We understand the need for forwardthinking practices and work innovatively and collaboratively with clients from initial undertaking and feasibility through to design and installation.



OUR SERVICES

Our GRP designers, technicians, and installation teams deliver entire projects from start to finish. Our team has a deep understanding of our customers' operational and process challenges, and the expertise and specialist knowledge to design, fabricate and install bespoke GRP solutions.



CONSULTATION

We navigate our clients through their specific GRP technical issues to find composite cost reduction solutions that are flexible, long, lasting and easier to install. Our focus is engineering, not sales, which speaks volumes about our corporate philosophy



DESIGN

With one of the largest dedicated composite design teams in the sector combined with 18 years' experience in the manufacture of GRP products we are best placed to provide truly innovative, sustainable solutions.



FABRICATION

Our highly skilled composite fabrication teams use the latest technology and manufacturing techniques to deliver peerless results reducing on-site adjustment time of GRP mouldings and fabricated structures.



INSTALLATION

Our expert GRP installation team brings years of professional experience to every job, ensuring that your completed project meets our high-quality standards.

BENEFITS OF GRP

11

Maintenance free, corrosion and impact resistant, our GRP products have considerably low life cycle costs compared to traditional materials.

GRP can be effectively used in the development of new structures to achieve a superior service life without the need for regular, costly maintenance. As we work towards sustainability goals and extending the life of products, glass-reinforced plastic can also be incorporated into existing structures to extend existing service life.

Relinea can develop solutions that have a much lower carbon footprint in comparison to traditional building materials such as concrete & steel. Built to last, GRP is the material of the future for those seeking energy-efficient, green, sustainable solutions.

Long Term Cost Savings



Maintenance free, corrosion and impact resistant, and with a life span of 50+ years, our GRP products have considerably low life cycle costs compared to traditional materials. No replacing, re-painting or repairing.

The Safety Benefits of GRP



Slip resistant, non-conductive, and fire retardant. Our integral grit finish offers the world's highest slip resistance for a walk-on surface. Due to their non-conductive nature our products do not have to be earthed.

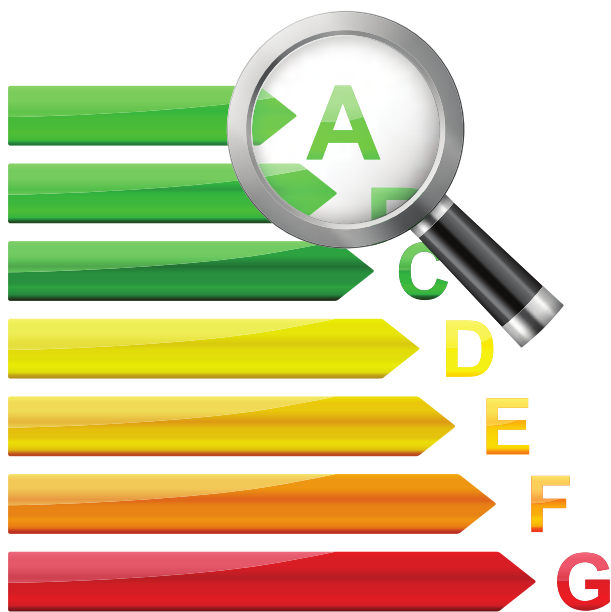
The Practical Benefits of GRP



80% lighter than steel, GRP products make for an easy two man installation. Impact resistant and with a high strength to weight ratio, they are easily fabricated and handled on site.

ENVIRONMENTAL BENEFITS OF GRP

12



Recyclable

GRP waste is often shredded and processed to create a high-grade alternative for the cement industry, where it is used as a fuel and mineral raw material. GRP products are also commonly upcycled for use in a wide range of non-standard applications.

Long Lifespan

The thermosetting resins used in GRP are far stronger and more durable than other plastics, giving most GRP products a lifespan of more than 50 years.

Low Carbon Footprint

GRP's CO₂ equivalent is less than half that of a concrete bridge and approximately a third of the CO₂ equivalent for a steel bridge. As a result, GRP's carbon footprint is also very favourable.

Energy Efficient

75% less energy is needed to produce glass-reinforced plastic (GRP) than steel.

Lightweight

GRP structures are 75% lighter than steel which means 50% less energy is needed for transport and assembly.

Eco Friendly

GRP produces fewer greenhouse gasses and consumes less energy at the production stage than both steel and aluminum. The production of base resins and fibre rovings doesn't have the same impact on the environment as the production of metals. Pultrusion takes place in a fully-closed process, which minimises the evaporation of volatile compounds, and no smoke clouds or toxic air pollutants are created.





relinea[®]
Reliable, Resourceful.

We innovate, design, and fabricate advanced technical GRP structural components to overcome weight, corrosion, and slip issues. With a revolutionary approach that uses intelligent GRP design and innovative composite manufacturing to challenge the conventions of construction, we work with our clients to find unique, long-lasting, sustainable solutions. From GRP design to installation, we are a specialist, one-stop resource.



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