

Leveraging Decades of FRP Expertise for Industrial Excellence

ICT Industrial is expanding its services to meet the growing demand for Fiber Reinforced Polymer (FRP) solutions across a broader range of industrial applications.

From stair towers, ladders, platforms, walkways, handrails, gratings to decking and miscellaneous structures, FRP solutions are engineered to thrive in the harshest environments.

FRP structures are not only an alternative to traditional materials like steel or wood but are also a high performance product offering unmatched durability, safety and cost-effectiveness.



Contact ICT Industrial for a consultation and let the experts work with you to design, fabricate, and install the perfect FRP solution tailored to your needs, delivering safety, durability and cost savings.

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FRP PRODUCTS

STRUCTURES

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Tailored FRP Solutions for Industrial Needs

ICT Industrial FRP structures are versatile, customizable and designed in house to meet the specific demands of your facility. ICT Industrial specializes in:

- **Stairs & Ladders:** Providing safe, corrosion-resistant access/egress in harsh environments with reduced installation time and no need for on-site welding. FRP stairs and ladders are pre-engineered for quick assembly, minimizing downtime.
- **Platforms and Walkways:** Lightweight, durable surfaces that withstand heavy use while offering slip-resistant options for enhanced safety. FRP platforms can be tailored to fit complex layouts, ensuring seamless integration into your facility.
- **Grating and Decking:** Available in ADA-compliant designs with gritted top surfaces for slip resistance, FRP grating is perfect for walkable surfaces in corrosive or electrically hazardous environments. It also offers excellent load-bearing capacity, up to 2,000 lb/ft² and reduced weight.

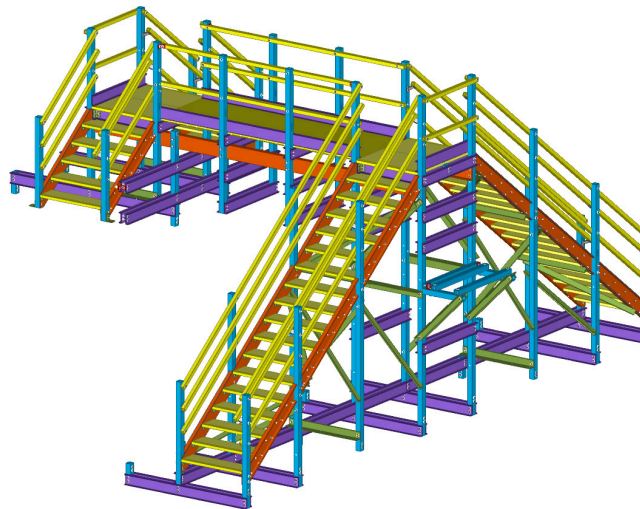
Our FRP components are available with either polyester or vinylester resin providing the flexibility to select the best solution for a specific application. Vinylester FRP offers superior chemical and corrosion resistance for more demanding environments

Technical Excellence and Compliance

ICT Industrial prioritizes quality, safety and compliance designing FRP structures that are engineered in-house to meet or exceed:

- **ASTM E84 Class A fire ratings:** Ensuring fire safety in high-risk environments.
- **OSHA safety standards:** Providing safe access and work surfaces for industrial personnel.
- **Industry-specific load-bearing requirements:** Tailored to the demands of your facility with designs that account for deflection, load distribution and environmental factors.

ICT Industrial partners with leading suppliers to source the highest-quality FRP components, ensuring that every structure delivered meets high standards of durability and performance. The ICT Industrial team of experienced engineers and designers work closely with you to create solutions that are not only technically sound but also cost-effective.



? Why Choose FRP for Your Industrial Structures?

FRP is a game-changing material for industrial applications providing significant advantages over conventional materials. Here is why FRP stands out:

- **Cost Advantages:** FRP structures generally offer a lower overall cost compared to steel. They have lower material and fabrication costs, require less expensive lifting and installation equipment due to their lightweight design and incur significantly reduced maintenance expenses over their lifecycle.
- **Corrosion Resistance:** FRP is inherently resistant to corrosion from water, chemicals and aggressive industrial environments.
- **Lightweight:** FRP is up to 75% lighter than steel, making it easier to transport, handle and install. This reduces labor costs and minimizes the need for heavy equipment during erection.
- **High Strength-to-Weight Ratio:** Despite its light weight, FRP delivers high tensile and flexural strengths ensuring structural integrity without the burden of excess weight or the need for extensive support systems.
- **Low Maintenance:** FRP eliminates the need for painting, coating or frequent repairs, significantly reducing long-term maintenance costs.
- **Fire Retardant:** Our FRP products meet ASTM E84 Class A fire ratings, ensuring compliance with stringent safety standards in high-risk environments.
- **Electrically Non-Conductive:** FRP enhances safety in environments with electrical hazards, making it ideal for power plants and other electrically sensitive facilities.
- **Slip-Resistant Surfaces:** Available for grating and decking, FRP improves worker safety in wet or oily conditions.
- **Design Flexibility:** FRP is ideal for any job that requires customization as it is engineered in-house to meet client specifications.