



Leading Supplier of Structural Fiberglass Products

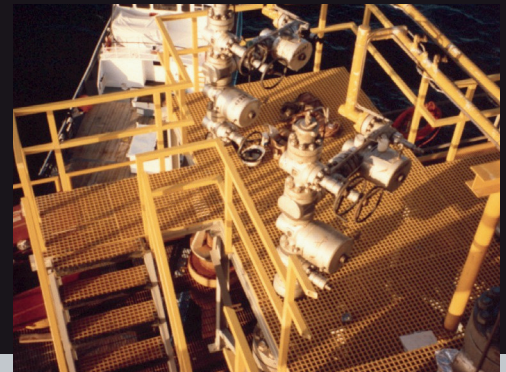
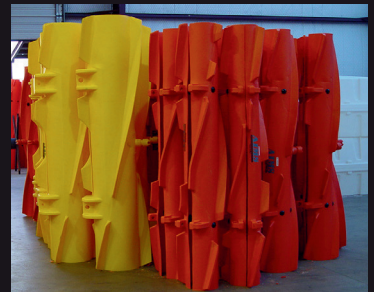
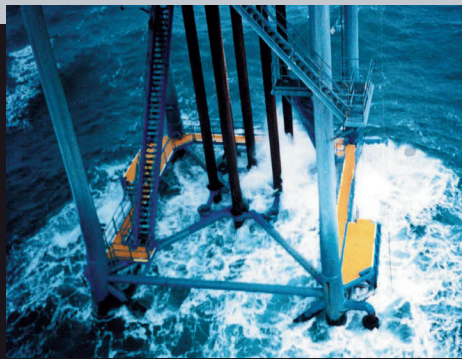
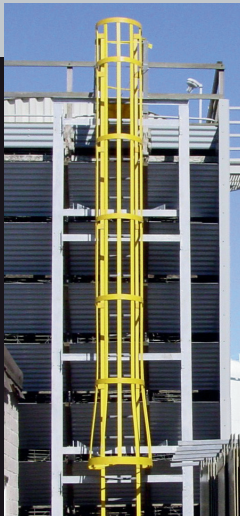
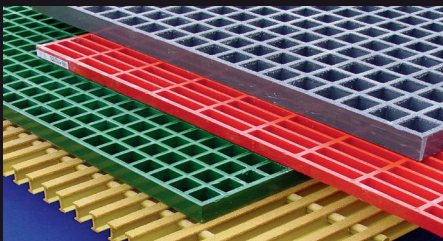


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AIMS Composites is a global leader in offshore vortex-induced vibration (VIV) suppression, engineered fiberglass structural systems, and platform dock fendering solutions. Since 1982, AIMS has specialized in the supply, engineering, and fabrication of fiberglass grating and structural systems.

We offer a comprehensive product line that includes platforms, dock fenders, fiberglass signage, vortex breakers, VIV suppression systems, blast panels, and mudmats. Additionally, AIMS is a leading provider of fiberglass handrail and stair systems, along with a range of specialty fiberglass products.

AIMS takes pride in our ability to manage customer projects from initial design and engineering through to implementation and final installation.

As part of our commitment to continuous improvement, AIMS actively pursues expansion opportunities in both domestic and international markets. In 1993, we acquired Teledyne Monarch Rubber's platform fender product line, relocated the tooling to Houston, and began manufacturing and marketing components such as energy cells, rub strips, and barge bumpers. In 2017, AIMS expanded into the fabrication of aluminum structures and handrails.

To market our products and services globally, AIMS partners with local companies in key offshore regions, including Malaysia, Australia, Korea, Singapore, India, the United Arab Emirates, Nigeria, Brazil, and Mexico. Wherever there is offshore oil and gas, you'll find AIMS Composites.



Engineering and Design

As a leader in engineered fiberglass structural systems, AIMS employs a team of professional engineers, and each project carries the seal of a Registered Professional Engineer. AIMS has also developed a proprietary, computerized 3-dimensional fiberglass structural design software package. This advanced tool performs stress and deflection calculations and evaluates the unity ratios of each modeled structural member using the latest allowable stress formulas in the fiberglass industry.

The software automatically resizes any significantly under-stressed members for greater efficiency and adjusts over-stressed members to achieve a unity ratio below 1.0. This ensures that our engineers deliver the most efficient and optimized structural systems possible.

Our engineering team is unmatched in the design of fiberglass structural systems. AIMS has published the AIMS Fiberglass Structural Design Manual, a comprehensive resource for structural engineers working with fiberglass. Copies are available upon request or can be downloaded directly from our website.

AIMS also employs highly skilled designers with expertise in both 2D and 3D modeling. We primarily use AutoCAD for 2D drawings and SolidWorks for 3D designs, and we also have PDMS capabilities. With our state-of-the-art structural analysis software and exceptional design expertise, AIMS delivers the safest and most cost-effective fiberglass structures in the industry.

Talon™ System

The **Talon™ System** is a patented, innovative attachment solution developed by AIMS Composites to mechanically fasten molded fiberglass grating to the structural framing of offshore platforms exposed to wave action.

Engineered for extreme conditions, the Talon™ System is designed to withstand the most severe forces generated by hurricanes and typhoons. AIMS proudly guarantees the performance of this system through our Wavezone Guarantee: if any panel of our grating is lost due to wave action, we will provide free labor and replacement materials to restore the system to its original integrity.

For full details on our Wavezone Guarantee, please contact us directly.



The patented AIMS Talon™ System is designed to resist hurricane wave forces with guaranteed results.

Fiberglass Fabrication

AIMS is a global leader in the fabrication and installation of fiberglass structural systems. As a turnkey fiberglass contractor, we handle every phase—**design, fabrication, and installation**—to deliver fully integrated structural solutions.

Our fabrication facility spans **18,000 square feet**, with the capacity to expand to **36,000 square feet** as needed. Our experienced fabricators work directly from engineered drawings to produce fully customized components that meet each customer's unique specifications. Quality control is a core element of every step in the fabrication process.



AIMS' rigorous fabrication standards ensure that all materials arrive at the job site **installation-ready**. Given the critical nature of offshore work—and the challenges of resolving issues in remote marine environments—we've implemented a stringent quality assurance program. All materials are pre-assembled and verified for fit, completeness, and accuracy prior to shipment.

We continuously refine our fabrication methods using proven standard fiberglass structural details while maintaining the flexibility to accommodate custom engineering requirements.

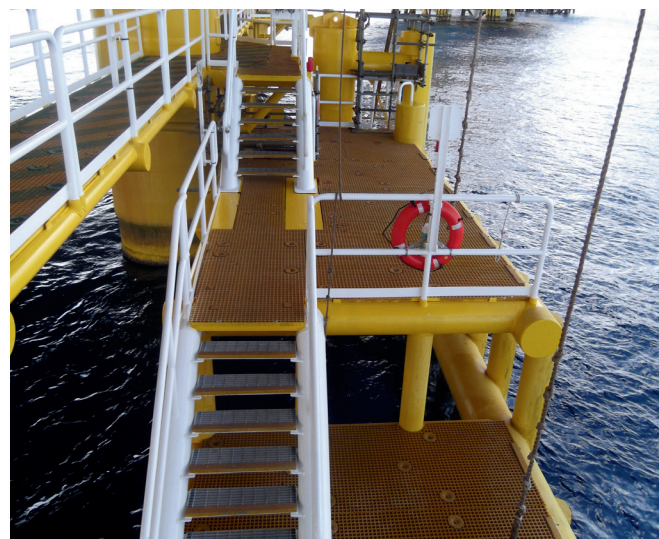
In addition to full structural systems, AIMS also fabricates a wide range of **custom fiberglass components**, including platform ID signs, stair treads, ladders, handrail systems, and other specialty products.

Installation Services

AIMS offers **offshore, onshore, and off-site installation services**, giving us the flexibility to fully support the products we design and fabricate. Our installation crews have worked in **every major fabrication yard along the Gulf Coast** and have completed projects in the **Gulf of Mexico, offshore Trinidad, Nigeria, and Southeast Asia**.

With decades of experience, AIMS crews have provided skilled installation support to nearly every major operating company in the Gulf of Mexico.

We specialize in the offshore and off-site installation of **wellhead access platforms, fiberglass grating and handrail systems, syntactic foam insulation**, and a variety of other custom-engineered solutions. Wherever your project takes you, AIMS delivers reliable, expert installation to ensure success from start to finish.



Products & Services

Wavezone Fiberglass Handrail System

As part of AIMS' ongoing commitment to innovation and quality, our engineering team continually works to improve and develop advanced technologies. One notable result of these efforts is the **AIMS fiberglass handrail system**, specifically engineered for **wavezone areas** on offshore platforms.

This system effectively eliminates the costly maintenance issues associated with conventional steel handrails and is designed to withstand the **extreme wave slam forces** commonly encountered in top-of-jacket walkways, boat landings, and other high-impact areas. Tubing is available in both round and square profiles to suit project needs.

The key to the system's performance lies in its robust design, which is engineered to sustain up to 1,000 pounds per square foot (PSF) of wave slam force. It is also backed by a **washout warranty**, even in the event of hurricane-driven waves—providing durable, long-term protection in the harshest marine environments.



ROV, Diver, and Moonpool-Friendly Vortex Strakes

AIMS has developed **ROV-friendly vortex strakes and fairings**, designed to streamline offshore installation and reduce operational downtime. After successfully supplying strakes for the **Mardi Gras Pipeline Spans**, AIMS demonstrated a significant advantage in efficiency: our system reduces ROV installation cycle time to under 5–7 minutes, compared to the 20–25 minutes typically required by competing systems.

This innovation offers substantial time and cost savings during offshore deployment—another example of AIMS' commitment to performance and practical engineering.



ROV, Diver, and Moonpool-Friendly ADFS Fairings (Patented)

AIMS has engineered a **highly efficient, low-drag VIV suppression device** known as the **AIMS Dual-Finned Flow Splitter (ADFS)**.

This advanced solution has demonstrated effectiveness of up to **95% in suppressing lateral amplitudes** associated with vortex-induced vibration (VIV), while also offering a remarkably low drag coefficient of approximately $CD = 0.4$.

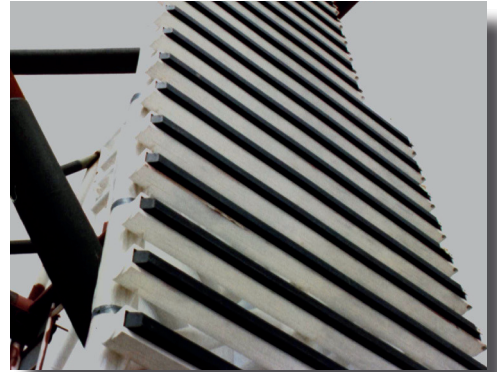
The ADFS has been rigorously tested at $\frac{1}{4}$ scale, $\frac{1}{2}$ scale, and full scale, across a wide range of **Reynolds Numbers—from the low 1,000s to 1.9 million**—proving its reliability in a variety of real-world flow conditions. Installation is ROV-friendly, with **cycle times ranging from 7 to 12 minutes per unit**, providing a balance of high performance and operational efficiency.



Products & Services

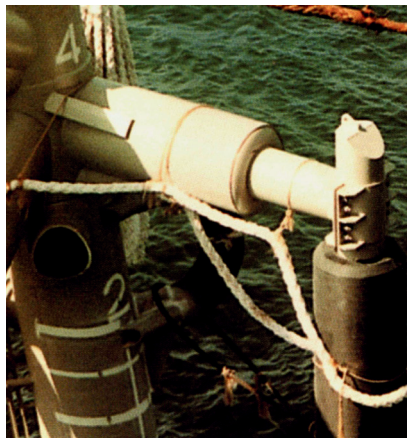
Boat Landing Rubstrips

AIMS rubstrips are manufactured from high-strength polyether urethane, offering twice the tear resistance of conventional extruded butyl rubber rubstrips. In addition to superior durability, they also feature a significantly lower coefficient of friction, enhancing performance and longevity in demanding marine and industrial environments.



Barge Bumper Systems

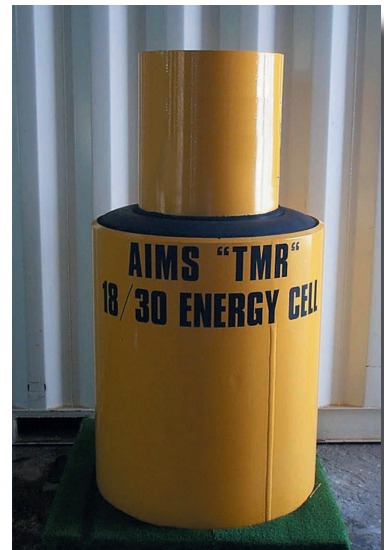
AIMS provides fully fabricated barge bumper systems, complete with energy cells, kingposts, doubler plates, clamps, etc. AIMS' engineering staff can meet the requirements of any project.



Energy Cells

The AIMS "TMR" Energy Cells utilize a bond-in-compression manufacturing process that yields two significant improvements compared to competitive products:

- Rubber-to-metal bond is in compression, not tension, as with competitive cells
- Absorbs twice the kinetic energy of competitive cells



Removable Fire-Proofing Panel Systems

AIMS now offers removable fireproofing panels designed for areas that require certified fire protection but also demand future access for inspection—making them an ideal alternative to conventional spray-on systems.

Our panel system delivers **verifiable fire resistance** while allowing for **easy removal, inspection, and reinstallation**. Typical applications include **shut-in valves, wellheads, and major structural joints**, where both safety and accessibility are critical.



Products & Services

Fiberglass Windwall Panels

Many offshore platforms incorporate **windwalls** to protect personnel and equipment from high winds. Traditionally, these are constructed using **steel sheathing on a steel frame**, a method that can result in significant corrosion within just two years.

AIMS offers a superior solution by **designing, fabricating, and installing fiberglass windwall panels** supported by fiberglass structural shapes. This approach **eliminates corrosion issues** and significantly **reduces overall weight**, providing a longer-lasting and more efficient alternative to conventional steel systems.



Fiberglass Mudmats

AIMS fiberglass mudmats eliminate the need for cathodic protection typically required for conventional steel plate mudmats. Thanks to our **high-strength fiberglass planking**—featuring a **flexural strength of 65,000 psi**—many sacrificial anodes are no longer necessary, resulting in significant cost savings.

By **reducing or eliminating anodes** and lowering overall **steel tonnage**, AIMS fiberglass mudmats offer a **more cost-effective and corrosion-resistant alternative** to traditional steel plate systems.



Fiberglass Security Fencing

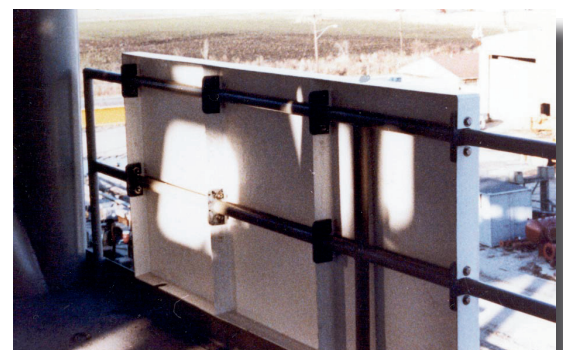
AIMS security fencing systems deliver a superior level of protection for critical infrastructure. Designed with the strength and resilience of fiberglass, our fences are **highly resistant to cutting tools and torches**, offering a robust defense against intrusion.

Each system features **threaded fasteners that bolt through the fence panels**, securely tightened with **AIMS panel plugs** installed from behind—adding an **additional layer of tamper resistance** and reinforcing overall security.



Fiberglass Platform Identification Signs

AIMS fiberglass platform ID signs are **lightweight, corrosion-resistant**, and retain their brilliance for years, even in harsh offshore environments. Designed for efficiency, these signs **mount directly to handrails**, eliminating the need for the **steel angle frames** typically required to support conventional steel plate signs.



Products & Services

Dry Tree Work Platforms

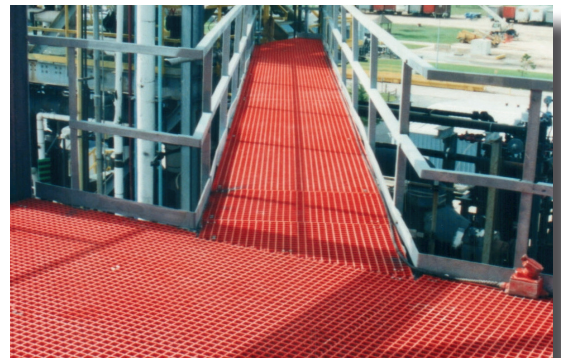
Deepwater projects utilizing “dry” trees require access platforms for wing valves, chokes, gauges, and other critical components. AIMS addresses this need with a **hybrid steel and fiberglass work platform**, engineered to **maximize strength, resist corrosion, and reduce overall weight**. Each platform is structurally connected to the **stem of the tree**, ensuring reliable, long-term performance in demanding subsea environments.



Fiberglass Work Platforms and Walkways

AIMS fiberglass work platforms and walkways are engineered to provide a **safe, durable, and low-maintenance work environment**. Grating is available in both **molded and pultruded fiberglass**, offering versatility for various applications.

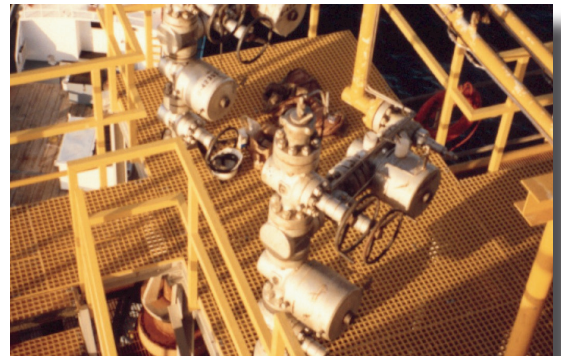
Our fiberglass grating delivers key performance benefits, including **slip resistance, electrical and thermal non-conductivity, light weight, corrosion resistance, and minimal maintenance requirements**—making it an ideal solution for both offshore and onshore environments.



Fiberglass Structures Around Wellheads and Vessels

AIMS fiberglass structures are **lightweight, easy to install**, and require **no heavy-lift equipment or welding**, making them a smart alternative to conventional steel structures. Each system is **custom-designed** to accommodate any well configuration and built from **corrosion-resistant, maintenance-free fiberglass-reinforced plastic (FRP)**.

Not only do our FRP structures reduce long-term upkeep, but their **total installed cost is typically lower than steel**—delivering both upfront and lifetime savings.



Fiberglass Pipe Penetration Collars

These **penetration collars** provide the **4-inch kickplate** required by **OSHA** while also reinforcing the grating around pipe penetrations. By supporting the cut section of grating, they **eliminate the need for additional structural members**, simplifying installation and improving overall system integrity.



Products & Services

Fiberglass Ladders and Cages

AIMS fiberglass ladders and cages meet all OSHA requirements and weigh just **one-third as much as steel ladders**, making them easier to handle and install. For extended vertical spans where lateral support isn't feasible, our "**stiffened**" ladder systems provide the ideal solution—delivering strength, safety, and long-term durability.

Fiberglass Stair Treads

Anyone who has walked down a steel stair system on a wet day knows it can be an accident waiting to happen. AIMS offers **gritted fiberglass treads** that are **significantly more skid-resistant** than traditional steel grating treads. In addition to enhanced safety, our treads are **corrosion resistant**, providing a safer and more durable solution for challenging environments.

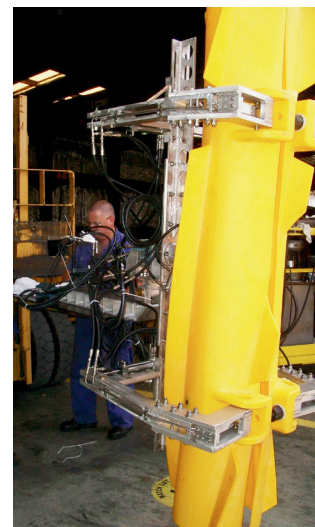
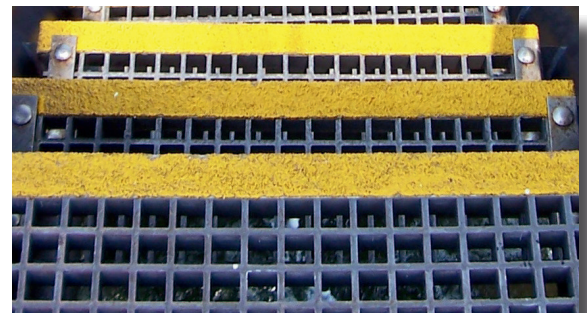
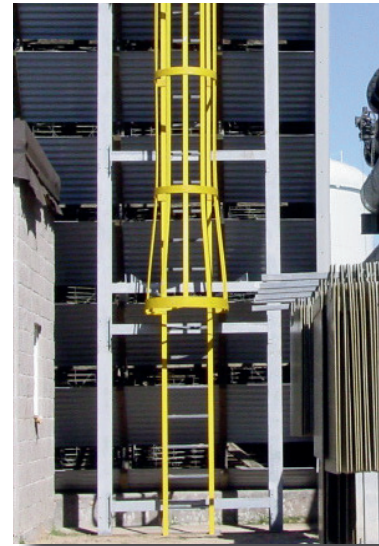
Fiberglass Stair Tread Covers

Upgrade safety and appearance by covering rusty, slippery steel grating treads with AIMS skid-resistant fiberglass tread covers. Easy to install, these covers **eliminate hazardous walking conditions** and enhance durability. For added visibility and **nighttime safety**, **fluorescent options** are also available.

Vortex Induced Vibration (VIV) Suppression

AIMS vortex strake and fairing designs, including the AIMS Dual-Finned Flow Splitter (ADFS), are backed by the **most comprehensive test data in the industry**. We've also developed an **ROV-friendly system** that enables efficient retrofit installation of our strakes and ADFS units.

Engineered for performance, our strakes and fairings are **highly effective in eliminating vortex-induced vibration (VIV)**. To support the industry, AIMS has invested over \$2 million in testing and validation, and we **freely share this data with engineering firms** to aid in the success of their projects.



Market Applications

AIMS products and services have been successfully utilized across a wide range of industries and applications. Wherever safety, low maintenance, ease of installation, and long service life are priorities, AIMS is a trusted partner.

Our solutions can be found in diverse industries and locations around the world, including:

Offshore Drilling & Production Facilities

wellhead access platforms around wells & vessels, stair towers, grating systems, electrical cable trays, mudmats

Petrochemical Plants & Refineries

walkways & platforms around vessels and equipment, stair towers, trench grating

Industrial & Municipal Wastewater Facilities

walkways & catwalks in and around clarifiers, settling basins, and platforms used as storage areas

Pulp & Paper Mills

walkways & catwalks in and around their waste water plants, including bleaching and washing areas

Metal Plating & Mining Facilities

platforms in processing areas, catwalks, stair towers, and storage areas

Commercial Warehouses

grating systems for additional storage areas and mezzanines

Beverage & Food Processing Plants

grating systems & platforms in and around wash-down areas, access platforms, and storage areas

Hi-tech Computer Industry Facilities

grating systems in clean rooms and etching areas

Water Park & Recreational Facilities

trench grating in and around pools, structural systems for flowing streams

Cooling Tower Industry

access walkways & towers, de-misters

Federal & State Parks

bridges & erosion control

Valuable features of AIMS' products for these and other industries include:

- Excellent corrosion resistance and elimination of maintenance
- Lightweight and ease of installation
- High strength-to-weight ratio
- Excellent non-skid characteristics, safety, and ergonomics
- Fire resistance
- Electrical and thermal non-conductivity
- Durability and long service life
- Great return on investment



AIMS COMPOSITES

Dedicated to customer service and support

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