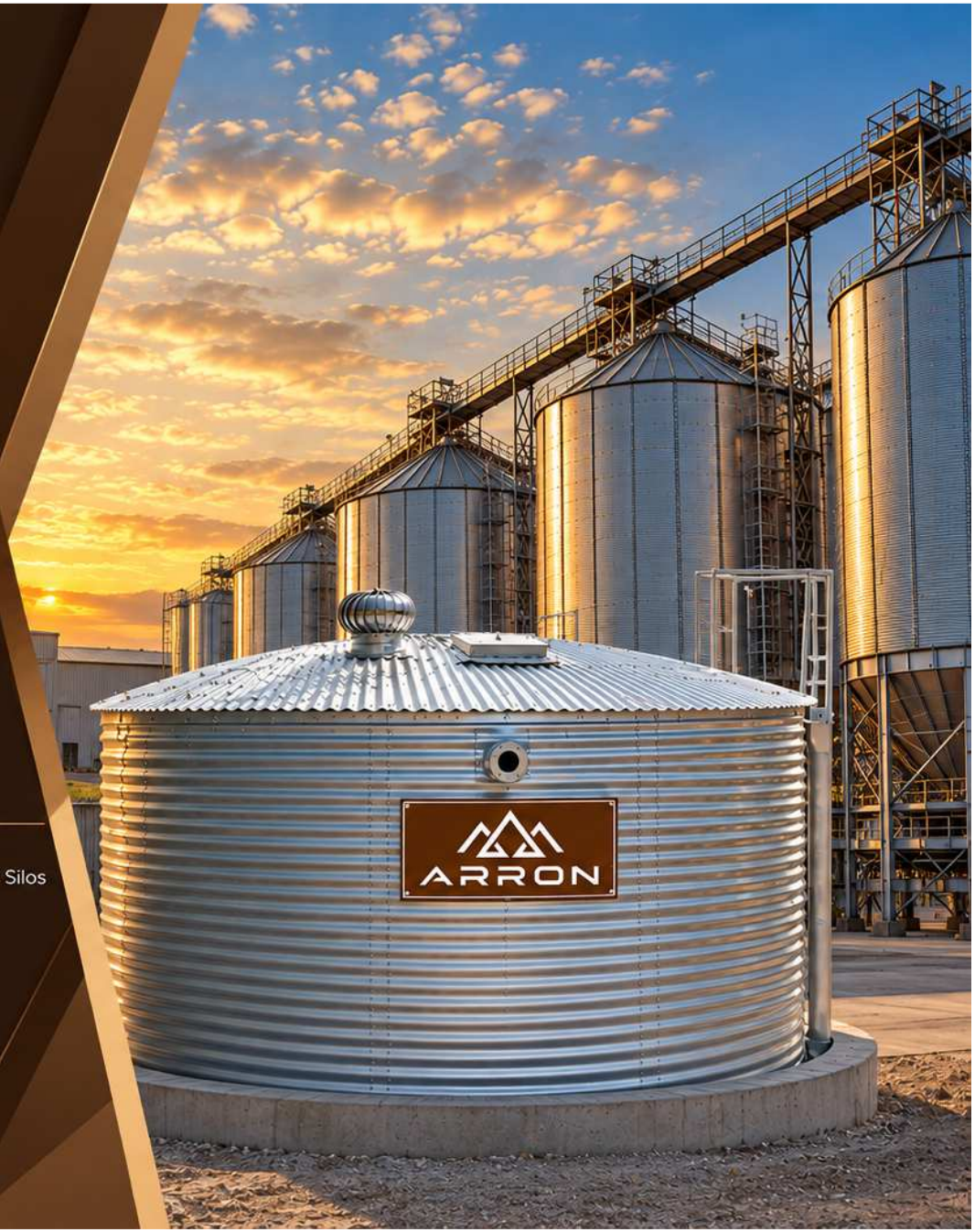
ARRON

ARRON STEEL INDUSTRIES LLP

Engineered Storage Solutions for Water, Industry & Agriculture

Zincalume Steel Tanks | Glass-Fused-to-Steel Tanks | Grain Storage Silos

arronsteel.com



THREE SOLUTION FAMILIES

Our product portfolio



01

AL-ZN-SI ALLOY-COATED STEEL

Zincalume Steel Water Storage Tanks

Modular bolted-panel tanks for water and process liquids, assembled on site to the required capacity.

- Firewater and utility reserves
- Industrial process water
- Water treatment plants
- Potable storage, where appropriately specified



02

GLASS-FUSED-TO-STEEL

Glass-Fused-to-Steel (GFS) Tanks

Bolted tanks whose steel panels carry a fused glass coating, for more demanding storage duties.

- Drinking water storage
- Wastewater and effluent treatment
- Industrial water storage
- Biogas and digestion, if specifically designed



03

ZINCALUME-COATED STEEL

Grain Storage Silos

Flat-bottom and hopper-bottom silos for organised bulk storage, configured to throughput and site.

- Wheat
- Rice and paddy
- Maize and corn
- Other suitable grains and bulk products

All capacities, dimensions and configurations are project-specific.



PRODUCT 01

Zincalume Steel Water Storage Tanks

Modular, bolted-panel tanks built from hot-dip Al-Zn-Si alloy-coated (Zincalume) steel. Panels are delivered as components and assembled on site to the required capacity.

Construction concept: coated steel panels are bolted and sealed into a circular tank on a prepared foundation. Roof, access, inlet, outlet and overflow arrangements are configured for each project.

APPLICATIONS

- Water treatment plants
- Firewater storage
- Industrial process water
- Potable water, where the supplied system is appropriately specified
- Infrastructure and utility projects
- Commercial and institutional facilities

ADVANTAGES

- Modular bolted construction
- Relatively quick site assembly
- Corrosion-resistant coated steel
- Transport-friendly, component-based delivery
- Flexible capacity and project-specific configuration
- Maintenance planned to the selected system and operating conditions

MATERIAL DATA: ARRON STEEL ZINCALUME RANGE

Coating alloy	~55% aluminium, 43.5% zinc, 1.5% silicon	Coating mass	AZ150 (150 g/m2), both faces
Metal thickness	Acc. to fabrication	Yield strength	G300 to G550 (300 to 550 MPa)

Tank capacity, panel thickness and design are project-specific.

PRODUCT 02

Glass-Fused-to-Steel (GFS) Tanks

GFS tanks use steel panels with a glass coating fused to the steel surface at high temperature. The result is a hard, inert, vitreous surface bonded to the steel, assembled on site with bolted, sealed joints.



KEY FEATURES

- **Fusion-bonded glass coating** on the steel panel surface
- **Corrosion protection** suited to demanding media; suitability depends on medium, pH and temperature
- **Modular construction** with bolted, sealed panels
- **Project-specific design** to capacity, loads and site

APPLICATIONS

- Drinking water storage
- Wastewater treatment
- Industrial water storage
- Effluent treatment plants
- Anaerobic digestion and biogas, where specifically designed
- Municipal and infrastructure projects

GFS AND ZINCALUME: NOT THE SAME SYSTEM

	ZINCALUME TANKS	GFS TANKS
Coating	Metallic Al-Zn-Si alloy coating	Glass coating fused to steel
Typical fit	Water, fire reserve, process and agri storage	More demanding media, such as wastewater and effluent, when designed for them

Specification is project-specific for both products; coating, medium and design basis are confirmed per enquiry. Potable-water suitability requires verification of materials, coatings and applicable regulations for each project.



PRODUCT 03

Grain Storage Silos

Flat-bottom and hopper-bottom steel silos for organised bulk storage of grain and agri-commodities, configured to throughput, capacity and site.

SUITABLE FOR

Wheat | Rice and paddy | Maize and corn | Other suitable grains and bulk products, subject to design

BENEFITS OF A PROPERLY ENGINEERED SILO

- Organised bulk storage
- Efficient use of available space
- Controlled grain handling when integrated with suitable equipment
- Protection against environmental exposure through an appropriately designed system
- Compatibility with project-specific loading, unloading and material-handling arrangements

Project-dependent options. Features such as aeration and loading or unloading arrangements are defined per project and are not part of every silo. Other items (for example temperature monitoring, conveying or drying) are considered only where specified for the project.

WHERE OUR SOLUTIONS ARE USED

Applications and industries served

Water and wastewater infrastructure

Storage for treatment plants, municipal and utility water systems.

Industrial manufacturing

Process water and industrial liquid storage.

Fire protection and utility systems

Firewater reserves and utility storage.

Agriculture and grain storage

Silos for grain and agri-commodities.

Food processing and bulk storage

Bulk storage for food processing and material-handling facilities.

Infrastructure and EPC projects

Storage packages coordinated with contractors and consultants.

TYPICAL CUSTOMERS

EPC contractors | Engineering and design consultants | Water and wastewater companies | Industrial project developers | Infrastructure companies | Government and public sector | Agri and grain storage companies | International buyers and procurement teams

TECHNICAL SHOWCASE

Project gallery



ZINCALUME WATER STORAGE TANK



GFS TANK



GRAIN STORAGE SILO



BOLTED STEEL PANELS



COMPLETE INSTALLATION

Images are illustrative of the product types shown unless stated otherwise, and do not represent specific client projects, locations or capacities.

Let's Build the Right Storage Solution for Your Project.

Contact Us for Technical Discussions, Product Information and Project Quotations.

GET IN TOUCH

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