



INDUSTRY-PROVEN PRODUCTS FOR ENGINEERING & CONSTRUCTION PROJECTS

How USA Industries Products Help Engineering & Construction Firms Deliver
Capital Projects More Safely, Faster, and With Lower Execution Risk



— INDUSTRY PROVEN PRODUCTS FOR ENGINEERING & CONSTRUCTION —



THE CHALLENGES

USA Industries helps engineering and construction companies reduce schedule risk, improve field safety, and accelerate commissioning on large industrial capital projects through engineered isolation, hydrotest, and inventory-management solutions.

Our solutions have been successfully deployed across major LNG, refining, petrochemical, and process infrastructure projects where schedule certainty, safety performance, and constructability are mission-critical.

ENGINEERING & CONSTRUCTION FIRM PRESSURES

- Deliver projects on aggressive schedules
- Reduce field labor and rework requirements
- Improve safety performance
- Avoid commissioning delays
- Maintain material traceability and project documentation
- Control costs despite labor shortages and supply chain variability

USA INDUSTRIES ADDRESSES THESE CRITICAL DEMANDS BY PROVIDING:

ENGINEERED ISOLATION & HYDROTEST PRODUCTS

RAPID MANUFACTURING CAPABILITIES

DEDICATED PROJECT MANAGEMENT

ONSITE TECHNICAL TRAINING & SUPPORT

RFID INVENTORY MANAGEMENT TRACKING

CUSTOM ENGINEERED SERVICE SOLUTIONS

SOLUTIONS ALIGNMENT

Our solutions specifically align with critical project phases where schedule slippage and safety exposure are highest:

- Hydrotesting
- Pre-commissioning
- Mechanical completion
- Turnover
- Startup

USA INDUSTRIES CORE DIFFERENTIATOR

USA Industries combines in-house engineering, manufacturing, inventory, field support, and project coordination under a single organization, reducing dependency on multiple vendors and minimizing execution gaps.

KEY CHALLENGE 01

SCHEDULE DELAYS DURING HYDROTESTING & COMMISSIONING

Project delays are commonly driven by labor-intensive end cap welding and removal, incorrect or unavailable blinds, pipe damage requiring rework, lost materials, and slow vendor response times.

RAPID PRODUCTION

USA Industries can rapidly produce engineered blinds and isolation and test plugs

PRODUCT RENTALS

Nearly all our isolation and testing products are available to rent or purchase

24/7/365 AVAILABILITY

We're always reachable because critical industrial projects don't run from 9 to 5

PROJECT COORDINATION

We offer dedicated project coordination from FEED through closeout.

CASE STUDY - GLOBAL EPC BUDGET & SCHEDULE RECOVERY

WELDED END CAPS vs. GRIPSAFE®ST TEST PLUGS

Facing 6,240 high-pressure weld tests on a major refinery project, the EPC was significantly behind schedule and over budget. Traditional weld cap methods were too slow, costly, and labor-intensive — a faster, safer solution was needed immediately.

In head-to-head onsite demonstrations, GripSafe® ST's patented non-scarring technology and auto-locking wedge system outperformed every competitor — reducing weld test time by 93%, eliminating pipe damage, and lowering labor costs.

— BOTTOM LINE —

GripSafe® ST was selected as the preferred solution. With USA Industries providing ongoing field support, the project was completed on time and on budget.



THE CHALLENGES



KEY CHALLENGE 02

SAFETY RISK DURING HYDROTESTING & ISOLATION ACTIVITIES

Hydrotesting and line isolation involve significant stored-energy hazards. **Traditional methods** can expose crews to:

- ⊘ Plug ejection
- ⊘ Pipe damage
- ⊘ Gasket surface damage
- ⊘ Uncontrolled venting and purging of hazardous media
- ⊘ Unsafe field improvisations

OUR ENGINEERED PRODUCTS IMPROVE FIELD SAFETY:

- ✓ GripSafe ST plugs independently actuated wedge system increases holding force as pressure rises
- ✓ Auto-locking technology grips immediately upon insertion
- ✓ EZ Vent® and EZ Purge® blinds provide controlled venting and purging
- ✓ Color coded and visually identifiable handles reduce operator error



GripSafe ST ORB



EZ Vent-Purge Blind

CORE DESIGN PRINCIPLE

Our commitment to “**safety and risk mitigation**” is a core design principle embedded into our engineering and product development

KEY CHALLENGE 03

LACK OF FIELD COORDINATION & SINGLE-POINT ACCOUNTABILITY

Large projects often suffer from fragmented vendor communication and inconsistent support across project phases. USA Industries assigns dedicated project ownership from FEED through project closeout, including:

BUDGET
PRICING SUPPORT

EPC
COORDINATION

SUBMITTAL
MANAGEMENT

INSPECTION
DOCUMENTATION

SCHEDULE
TRACKING

LOGISTICS
COORDINATION

This “**single point of accountability**” model is particularly attractive to organizations that need responsive execution partners capable of adapting to changing construction conditions.

KEY CHALLENGE 04

INVENTORY CHAOS ON LARGE CONSTRUCTION SITES

Large LNG and refinery projects may involve thousands of blinds and isolation devices moving across multiple contractors and areas simultaneously.

Without strong, coordinated controls, projects experience:

- ⊘ Lost equipment
- ⊘ Material shortages
- ⊘ Delayed testing
- ⊘ Reduced labor efficiency
- ⊘ Safety risks from improper blind usage

USA INDUSTRIES' MANAGED INVENTORY SYSTEMS INCLUDE:

- ✓ Premium mobile blind storage racks
- ✓ Stackable storage systems
- ✓ RFID / GEO location inventory management
- ✓ Onsite or off-site managed inventory management
- ✓ 24/7/365 availability

RFID Reader

Computer with Database

Antenna

RFID Tag

EZ-LOCK BLIND FLANGE RACK®
PATENT NO. 8,546,889

STACKABLE EZ-STORE BLIND FLANGE RACK™



USA INDUSTRIES DELIVERS ON ALL FRONTS

CASE STUDY: PLAQUEMINE'S LNG CONSTRUCTION

- FROM A PO TO A FULL, ON-SITE MANAGEMENT SOLUTION -

A 2,000-blind supply order on the Plaquemines LNG project grew into a 5,000-blind inventory, on-site management program with 24/7 support spanning 14 months.



— IMPROVED PROJECT EXECUTION —

USA Industries compresses timelines by:

- Eliminating unnecessary welding operations
- Accelerating hydrotest setup/removal
- Reducing procurement delays
- Improving field material accessibility
- Supporting rapid deployment requirements

— REDUCED INSTALLATION COSTS —

Savings come from:

- Lower labor requirements
- Reduced rework
- Faster testing cycles
- Reduced equipment loss
- Lower risk of damaged piping systems
- Rental programs reducing capital expenditures

— ENHANCED SAFETY PERFORMANCE —

Solutions directly support:

- Reduced stored-energy exposure
- Controlled venting and purging
- Repeatable installation practices
- Reduced human error
- Standardized field procedures
- Onsite installation training and certification support

— BETTER COMMISSIONING READINESS —

From construction to startup:

- Providing traceable and compliant products
- Supporting turnover documentation
- Supplying material test reports (MTRs)
- Delivering inspection documentation
- Standardized field procedures
- Coordinating field logistics and availability certification support

ADVANCED MANUFACTURING.

DEDICATED PROJECT MANAGEMENT.

ONSITE FIELD SUPPORT.

By combining in-house engineering, advanced manufacturing, dedicated project management, and onsite field support, USA Industries enables EPC firms to execute hydrotesting and system turnover activities faster, safer, and with greater operational control.

TALK TO OUR TEAM



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