



WE MOVE WATER.  
WE MANAGE  
INFRASTRUCTURE.  
YOU MOVE FORWARD.

MISSION CRITICAL  
DATA CENTER  
SERVICES



 **IRONCLAD**

POWERED BY  **MERSINO**

MISSION CRITICAL INFRASTRUCTURE SERVICES

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# DISCOVER WHAT WE DELIVER



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# INFRASTRUCTURE – THAT KEEPS DATA MOVING

Ironclad Powered by Mersino delivers a fully integrated infrastructure service model for mission critical data center construction and pre-commissioning — supporting every phase from initial site development through final system closeout. One coordinated partner. One execution plan. No operational gaps.

Mission critical projects succeed or fail in the spaces between vendors — when schedules misalign, scopes overlap, or accountability becomes fragmented. Ironclad eliminates those gaps by delivering a coordinated solution across fluid management, environmental services, temporary infrastructure, and waste solutions — supporting your project from greenfield development through pre-commissioning and final turnover.

Data center construction operates within aggressive timelines where delays are not an option. When groundwater control underperforms, schedules slip. When cooling water flushing or temporary systems fall short, commissioning risks increase. Ironclad has built an integrated operating model designed specifically around the demands of mission critical construction — prioritizing uptime, schedule certainty, and execution reliability.

Mission critical construction demands precision, responsiveness, and proven expertise. Through a single-source, coordinated approach, Ironclad provides contractors with the confidence of one accountable partner — combining engineering expertise, temporary fluid infrastructure,

environmental solutions, and field execution to help maintain schedule integrity, system performance, and regulatory compliance.

## Complete Fluid Management Solutions for Data Centers

- Construction dewatering
  - High-capacity pumping systems
  - Hydronic system mechanical flushing
  - Liquid storage and containment
  - Filtration and treatment
  - Environmental compliance and waste transportation
- 



# MISSION CRITICAL INFRASTRUCTURE SERVICES

Mission critical construction demands precision, reliability, and expertise. Our integrated approach allows contractors to rely on a single coordinated solution provider. By combining engineering expertise with fluid solutions, our teams help contractors maintain schedule certainty, system reliability, and regulatory compliance.

## Infrastructure Services



### Construction Dewatering

Many mission critical facilities require effective groundwater control during excavation, underground utility installation, and foundation construction. Ironclad Powered by Mersino designs and deploys engineered dewatering systems that safely manage groundwater, stabilize site conditions, and help maintain construction schedule certainty.

- » Wellpoint systems
- » Deep well dewatering systems
- » Sump pumping systems
- » Groundwater management systems
- » Temporary stormwater control
- » Single-Pass Trenching for Sock Tile Drainage Installation



### Site Pumping

- » Active surface water control
- » Utility Tie-In Bypass Management



### Mechanical Flushing

- » Project-specific flush plans
- » Hydraulic and hydronic flow modeling
- » Circulation pumps
- » 24/7 flushing operations
- » Final pre-commissioning documentation



### Liquid Containment & Storage

Ironclad provides industry-leading containment systems designed to safely store and manage liquids generated during construction and pre-commissioning operations.

- » Liquid storage tanks
- » Frac tanks and containment systems
- » Wastewater storage
- » Hydrotest water containment
- » Process water containment
- » Groundwater and surface water containment

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# MISSION CRITICAL INFRASTRUCTURE SUPPORT.

## **Rapid Response. Reliable Execution. Built for Mission Critical Performance.**

In mission critical environments, downtime is not an option. Ironclad Powered by Mersino delivers rapid, dependable fluid management and temporary infrastructure solutions designed to support uninterrupted data center construction, commissioning, and operations. Backed by a specialized fleet, highly trained field personnel, and 24/7 emergency response capabilities, we are prepared to mobilize when uptime, schedule certainty, and system performance are on the line.

From mechanical flushing and pressure testing to emergency bypass pumping, groundwater control, and temporary cooling support, our teams respond quickly to assess site conditions and execute precise, efficient solutions. Supported by a growing network of company-owned branches and extensive field resources, Ironclad delivers the expertise, responsiveness, and operational reliability required to support today's most demanding mission critical infrastructure projects.

## **Nationwide Support. 24/7 Response Across North America.**

Ironclad Powered by Mersino maintains a nationwide fleet of specialized equipment and experienced personnel, enabling rapid mobilization to projects across North America. Available 24/7, our teams support mission critical construction, commissioning, and infrastructure operations with the speed, expertise, and reliability required to keep projects moving forward.

## Turnkey Solutions

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### Engineering & System Design

- » Project-specific flush plans
- » Hydraulic and hydronic flow modeling
- » Velocity and circulation calculations



### Flushing Equipment & Systems

- » High-capacity circulation pumps
- » Variable frequency drive pump controls
- » Filtration pod skids
- » Temporary manifolds and piping systems



### Execution & Documentation

- » High-capacity circulation pumps
- » Variable frequency drive pump controls
- » Filtration pod skids
- » Temporary manifolds and piping systems

# PROVING SYSTEM INTEGRITY BEFORE STARTUP

## HYDROSTATIC & PIPELINE INTEGRITY TESTING FOR MISSION CRITICAL DATA CENTERS

Before a single drop of treated water enters a data center's chilled water loop, condenser system, or process piping, the integrity of that piping must be proven beyond question.

Ironclad Powered by Mersino delivers complete hydrostatic and pipeline integrity testing for general contractors, mechanical contractors, and developers building today's most demanding data cent projects.

From initial planning through final test documentation, our crews handle every step as a complete scope — so your critical-path activities stay on schedule and your systems are ready for startup.

### COMPLETE TESTING SCOPE

- ✓ Test plan development
- ✓ Equipment mobilization
- ✓ Controlled fill & pressurization
- ✓ Hold period monitoring
- ✓ Controlled depressurization
- ✓ Turnover documentation



UP TO  
**5,000 PSI**

PRESSURE  
CAPABILITY



**0.28 - 52.5**

GPM FLOW  
RANGE



BUILT FOR  
**MISSION  
CRITICAL  
SYSTEMS**



# EQUIPMENT ENGINEERED FOR PRECISION.

Our fleet is anchored by a line of diesel-driven, high-pressure plunger pumps purpose-built for hydrostatic and integrity testing. Each unit is a self-contained skid—forklift-pocketed and lifting-bail equipped for easy site placement—pairing a Tier-rated diesel prime mover with a fractional-volume plunger pump and an industry-first 4-speed transmission. That transmission is the key to matching flow to every stage of a test rather than fighting the pump to throttle it down.



## DIESEL-DRIVEN PLUNGER PUMPS

Self contained hydrotest-skids with Tier-rated diesel engines, forklift-pocketed and lifting-bail equipped for quick efficient mobilization and placement.



## INDUSTRY-FIRST 4-SPEED TRANSMISSION

Match flow rates to every stage of the test—high flow for initial fill, then progressively lower flow for controlled pressurization and smooth pressure ramps that produce clean P/V curves.



## WIDE FLOW & PRESSURE RANGE

**0.28 GPM >>> 52.5 GPM**

## PRESSURE CAPABILITY

Up to  
**5,000 PSI**  
(34,473 kPa)



## MATERIALS BUILT FOR COMPATIBILITY

- 2CR13 stainless steel fluid ends
- Aramid packing
- 316 stainless pulsation dampeners with EPDM bladders
- Compatible with treated and potable test water



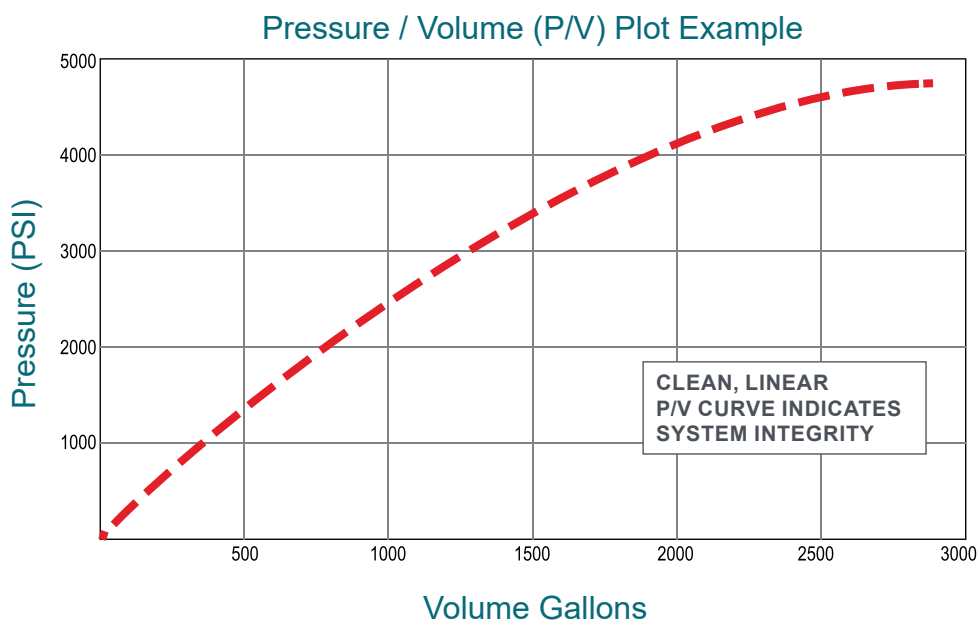
Unlike pneumatic test rigs, our diesel driven units deliver consistent. Performance from a single compact package reducing site footprint, setup time, and maintenance on critical path activity.

# DOCUMENTED PERFORMANCE

## VERIFIED RESULTS

Modern data center commissioning increasingly requires Pressure/Volume (P/V) plotting during hydrostatic tests to demonstrate that observed pressure rise correlates with metered water volume, confirming the absence of trapped air, micro-leaks, or yielding components.

Our 4-speed transmission paired with fractional-volume plunger design allows operators to step flow rates up or down as the test progresses—high flow during initial fill, then progressively lower flow as the system approaches test pressure—producing the smooth, linear pressure ramps that clean P/V curves require.



**INDEPENDENT VOLUME VERIFICATION** : Magnetic pickup stroke counters provide and independent verification on injected volume for the test record and final documentation.

## *Built-in Safety For* *High-Value Infrastructure*



### **Redundant Overpressure Protection**

Full-capacity carbon steel pressure relief valve plus discharge pressure transducer tied to automatic engine shutdown



### **Calibrated & Traceable**

Test gauges and instruments are calibrated and traceable is NIST standards for accurate results and documentation.



### **Documented Isolation Procedures**

Field-proven procedures help protect personnel and the millions of dollars of installed equipment already on the line.

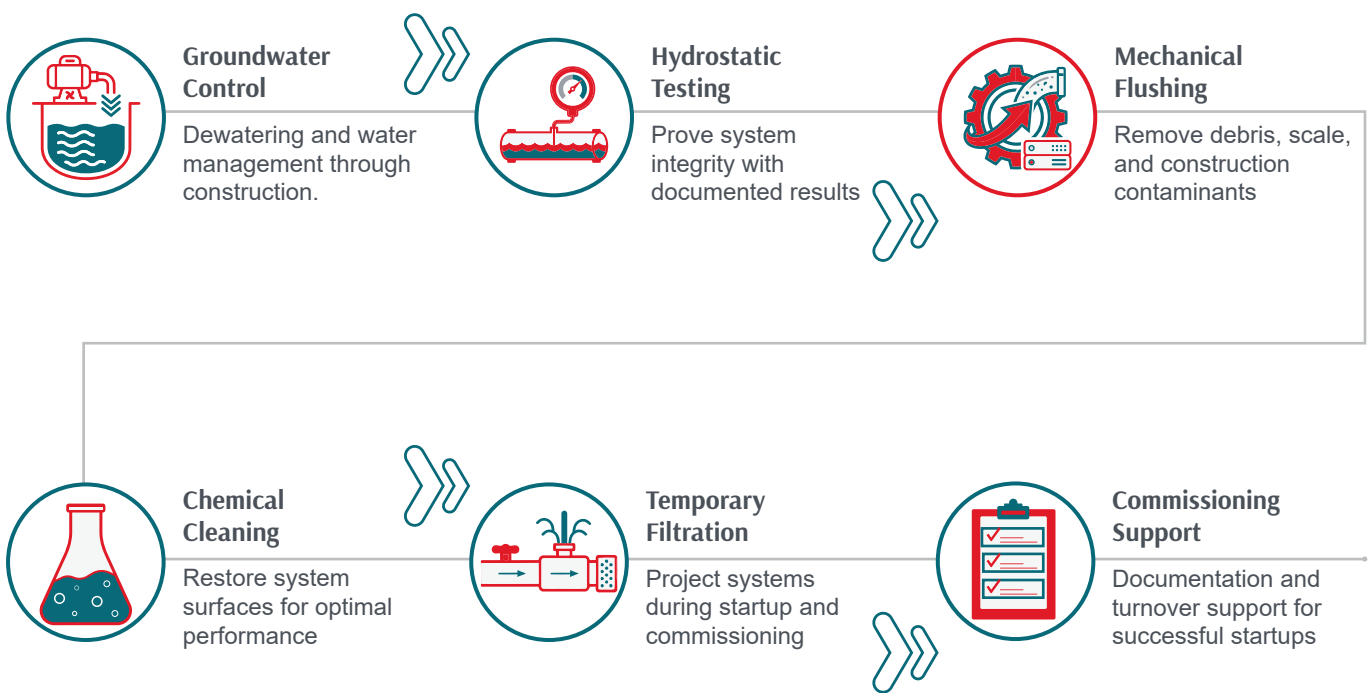


### **Trained Field Operators**

Experienced crews who understand the critical nature of late-stage construction and commissioning.

# ONE PARTNER FOR WATER-SIDE COMMISSIONING.

Hydrostatic testing rarely stands alone on a data center project. Pairing with our mechanical flushing, chemical cleaning, temporary filtration, fluid transfer, and containment services, we deliver a complete water-side commissioning solution –from excavation to final turnover.



## STRUCTURED AROUND HOW YOU BUILD

Ironclad Powered by Mersino provides nationwide waste management solutions to safely collect, transport, and dispose of liquids and materials generated during construction activities. By managing the collection and transportation of waste streams, Ironclad allows project teams to maintain environmental compliance and focus on construction execution.

- » Industrial waste hauling
- » Wastewater transport.
- » Liquid transfer services.
- » Construction debris collection.

## One Integrated Solution



### Ground-Up Execution

Ironclad Powered by Mersino establishes site control from day one — implementing groundwater management, environmental containment, and temporary fluid infrastructure to support safe, uninterrupted construction progress. From early site development through foundation activities, our teams coordinate critical infrastructure to keep projects moving and schedules intact.

- » Construction dewatering active from mobilization to maintain stable excavation conditions.
- » Deep well dewatering systems.
- » Containment systems deployed ahead of earth work to support environmental compliance and site readiness.
- » Groundwater management systems.
- » High-capacity pumping infrastructure staged for foundation operations and concurrent construction activities.
- » Ironclad frac tanks, storage assets, and temporary containment solutions positioned on-site to support evolving project demands.



### System Pre-Commissioning

As structural work completes, Mersino's scope transitions to mechanical flushing the hydronic system pre-commissioning.



### Schedule Certainty

Pre-engineered mobilization aligned to your CPM schedule. We update in real time as conditions change — not after the delay has already happened.

# NATIONAL STRENGTH. LOCAL SERVICE.

## Your Project Doesn't Have Room For A Second Try.

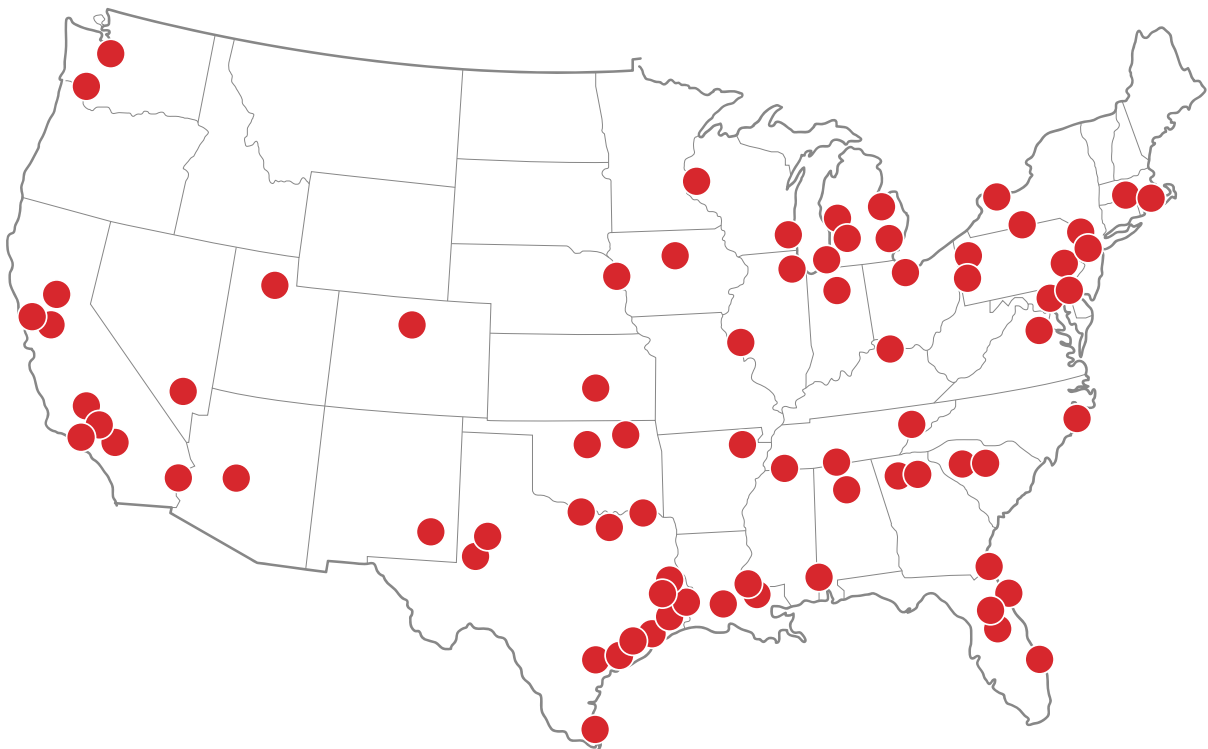
Ironclad Powered by Mersino maintains a nationwide network of branches, specialized equipment fleets, and experienced field personnel — creating one of North America's most responsive and rapidly deployable infrastructure support platforms. When schedules accelerate and project demands shift, we mobilize quickly to keep critical work moving forward.

### One Team

A single, integrated field team supports every phase of execution — from mobilization through final closeout. With one coordinated partner across service lines, projects benefit from consistent communication, operational continuity, and complete site familiarity from start to finish.

### One System

Groundwater control, containment, fluid transfer, temporary infrastructure, and flushing operations are designed to work together — not independently. By integrating each phase into one coordinated execution plan, Ironclad helps reduce delays, eliminate operational gaps, and maintain schedule certainty for mission critical construction.



Locations



WE MOVE WATER.  
WE MANAGE  
INFRASTRUCTURE.  
YOU MOVE FORWARD.

WHEN UPTIME  
CAN'T WAIT,  
WE'RE READY.



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