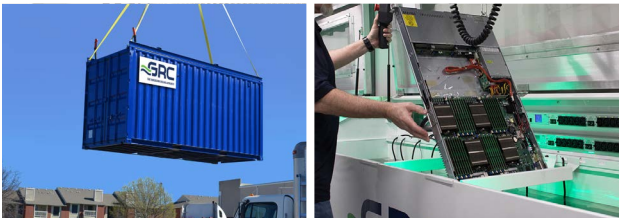
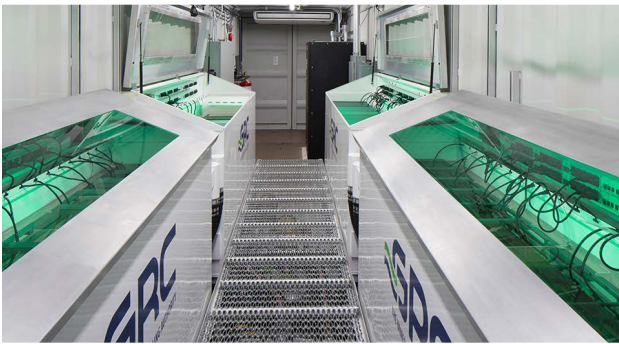


Modular, Immersion-Cooled Data Center



Our Deployments Are in Twenty-One Countries Across the Globe



GRC immersion cooling drives mission-critical systems for these and many more organizations.

Our ultra-efficient ICEtank “data center in a box” is built upon our proven immersion cooling technology. Completely self-contained and environmentally resilient, each unit comes fully equipped with ICeraQ® immersion-cooled racks, enabling you to deliver powerful, reliable processing in places you never thought possible. You supply water, power and networking — we do the rest.

Features & Benefits

- Cools up to 60 kW/rack
- Cuts cooling energy up to 90%
- Provides an mPUE of 1.05
- Lowers upfront costs up to 50%
- Reduces server power draw 10-20%
- Compatible with all leading OEM servers
- Fast deployment: 14 to 16 weeks

Common Applications:

- Add computing in remote, outside locations
- Great for edge computing and telecom applications
- Overcome space or power constraints
- Deploy edge or hybrid cloud computing
- Surmount rising energy costs
- Quickly add capacity

Includes:

- 40' ISO shipping container
- Rack(s) filled with our high-performance, Earth-friendly, synthetic ElectroSafe® coolants
- Coolant Distribution Units (CDUs)
- Adiabatic coolers including plumbing up to CDUs
- Mirrored system with 2N-redundant pumps
- Rack-mounted service rails and integrated server lift
- All electrical (power distribution, breakers, panels, etc.)
- Fire detection system
- A/C unit(s) for technician comfort
- Cloud-based and local monitoring and reporting capabilities, with configurable email alerts. Alternate local and cloud-based DCIMs supported via SNMP, Modbus TCP, RESTful API protocols.
- One-year limited warranty with customized support options available.

Modular Design	Self Contained	Location Flexibility	Local Service & Support
Quick Deployment	Environmentally Resilient	Cost-Effective	Eco-Friendly/Sustainable

Experience the Freedom to Add High-Density Compute Capacity Anywhere - Easily

+1.512.692.8003 • ContactUs@grcooling.com • grcooling.com

ICEtank[®]



Product Specifications

IT40

Number of Immersion Cooled Racks	8 x 42U
Rack depth (ear to rear)	1041 mm
Number of Cooling Distribution Units (CDU)	2
Power Requirements	380-415 and 480 VAC
Cooling Capacity/ Per Rack Density ¹	480 kW 60 kW
PDU Options	2x 35 kW PDU/rack (@2N redundant)
Mechanical PUE	1.05
Redundancy ²	Coolant Pumps: 2N Control System: 2N
Structure	40' ISO HC Container
Footprint	40' x 8'

Power & Water Specifications

Final Heat Rejection Options ³	Flexible Options: <ul style="list-style-type: none"> • Adiabatic Coolers • External Water Supply
Water Evaporation	2-3 gpm intermittent (standard garden hose)

Infrastructure / Site Requirements

Client to Provide	Access to power & water Grade level concrete pad Ongoing water treatment
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Available Options

Physical security options: Key lock, biometric, or access card
Backup Power: Standalone UPS and generator modules available

Monitoring and Reporting

Platform	Cloud based monitoring and graphing platform and local DCIM hooks
Alerts	Configurable email alerts with PagerDuty application
DCIM/BMS Integration Protocols	SNMP, Modbus TCP, and RESTful API
Data Measurements	Heat load Operating temperatures (water and coolant) Operating pressures (water and coolant) Power consumption Pump speed Rack temperature (multiple locations) Liquid level (multiple locations) System health, diagnostics, & early fault detection

Delivery & Installation

Lead Time	Ships 14 to 16 weeks after receipt of Purchase Order
Shipping Terms	Ex-Works
On-site Installation & Training	Seven to ten days for the first unit, plus five to eight days for every subsequent unit.

Warranty⁴

One-year limited warranty with customized support options available.

Compatible with All Leading OEM Servers



¹ Actual usable cooling capacity will depend on the hardware/configurations used. High density/custom configurations available.
² Additional redundancy options available.
³ Zero water use options available in climates where the design dry bulb temperature does not exceed 86 °F/30 °C. Additional costs apply.
⁴ Warranty is void if ICEtank units are run outside of their operating parameters defined in the installation specification.

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11525 Stonehollow Drive, Suite A-135 Austin, TX 78758
+1.512.692.8003 • ContactUs@grcooling.com • grcooling.com