ERVault™

Edge Computing Redefined

OUR MISSION

Edge Realm is redefining High-Performance Computing (HPC) for Denied, Degraded, Intermittent, and Low-bandwidth (DDIL) environments. Our mobile, containerized platform, ERVault™, ensures data and process sovereignty for mission-critical defense and commercial applications.

HPC at the Edge	Data & Process Sovereignty	DDIL Ready
Delivering High-Performance compute environments where traditional cloud systems are not viable	Empowering users with control over their data and operations in autonomous, secure environments	Built explicitly for Denied, Degraded, Intermittent, and Low-bandwidth conditions

HARDWARE & FORM FACTOR

- **Immersion Cooling:** State-of-the-art thermal management
- **Containerized:** 20' (TEU) and 40' (FEU) ISO containers

- **95%** reduction in cooling energy
- **100%** elimination of water consumption
- **70%** reduction in physical footprint

STRATEGIC ADVANTAGES

- **Mobility:** Complete redeployment capability
- **Defense Readiness:** DDIL-capable for government

- **Rapid Deployment:** 24x faster than traditional builds
- **Sustainability:** Hyper-efficient environmental footprint

INTEGRATED CYBERSECURITY & GRC

Every ERVault™ includes a comprehensive Governance, Risk, and Compliance (GRC) wrapper:

BYOS: Invisible endpoints, NSA-approved CFSM **InvisiRisk:** Application firewall with SBOM scanning	**YouAttest:** Identity governance automation **Allgress:** GRC automation for CMMC & NIST 800-53

COMPELLING FINANCIAL IMPACT

$1.5M First-Year Savings • $9.9M Avoided Construction Costs • $602K Year-1 Tax Benefit
3.9 Year Payback • 56.2% 10-Year ROI • 24.3% Internal Rate of Return

Strategic Partners

Edge Realm Inc. • **Forging the Future of High-Performance Edge Computing**
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