

# Trenton Waite

Minneapolis, MN | Remote-First | Available for On-Site Engagements

[tdwco.com](http://tdwco.com)

**OPERATIONS & INFRASTRUCTURE LEADER |  
SECURITY & RISK MANAGEMENT | CRITICAL  
INFRASTRUCTURE**

[linkedin.com/in/trentonwaite](https://linkedin.com/in/trentonwaite)

*Operations and infrastructure leader with 30 years of experience managing complex technology environments, physical facilities, vendor relationships, and organizational risk across critical infrastructure sectors. Career built on broad operational ownership — IT infrastructure, data center operations, communications networks, facilities management, and enterprise-scale project delivery — paired with deep expertise in cybersecurity, OT/ICS security, and emergency preparedness. After nearly two decades of long-term embedded consulting engagements with a regional energy cooperative and a national water utility SCADA integrator, I bring practitioner-level depth across both operational management and cybersecurity — available for consulting, contract, and advisory engagements where this breadth of capability creates genuine impact. Developed security program controls validated by CISA against current industry best practices, aligned to NIST and NERC CIP frameworks.*

## CORE COMPETENCIES

- IT Infrastructure Management
- Data Center Operations
- Facilities & Physical Plant Management
- Vendor & Contract Management
- IT Project Management
- Budget Management & Cost Control
- Network Infrastructure & Design
- Cloud Infrastructure & Services
- Communications Systems & Networks
- ERP Implementation & Management
- Team Hiring & Development
- Platform & Product Lifecycle
- Enterprise Risk Management
- Cybersecurity Assessments
- OT / ICS & SCADA Security
- Business Continuity Planning (BCP)
- Emergency Preparedness (FEMA NIMS)
- NERC CIP & Regulatory Compliance

## PROFESSIONAL EXPERIENCE

### Independent Consultant — Operations, Infrastructure & Security

2007 – Present

*Regional Energy Generation & Transmission Cooperative | 19-Year Engagement*

Embedded senior consultant supporting operations, risk, security, and IT infrastructure for a regional electric cooperative responsible for generation and transmission to member distribution systems. Functioned as a trusted operational partner across departments — managing projects, building programs, and working with technical staff to implement.

- ▶ **IT Project Management — Communications Network:** Managed full lifecycle of a major communications network upgrade for electric grid asset management; established NOC tools, standards, and procedures; certified network segments for throughput and reliability across fiber (RPR), microwave, T1, and licensed 700MHz wireless; coordinated across leadership, staff, and external technology partners.
- ▶ **Enterprise Risk Management:** Co-developed RiskView, a Salesforce-based enterprise risk platform documenting critical processes, assets, resources, and interdependencies; facilitated risk assessments and business impact analysis (BIA) with company leadership.
- ▶ **Emergency Preparedness & Contingency Planning:** Developed full suite of plans aligned to FEMA NIMS — Cyber Incident Response (CIRP), Emergency Response (ERP), Business Continuity (BCP), and Crisis Management (CMP); designed and facilitated crisis exercises and scenario-based training.
- ▶ **Cybersecurity & Information Security:** Developed cybersecurity standards and controls aligned to NERC CIP; conducted cybersecurity and information security assessments; developed corporate information classification framework, controls, and staff education materials.
- ▶ **Physical Security:** Documented standards and controls meeting NERC regulatory requirements, tiered by facility criticality to the transmission and distribution system.

## Independent Consultant — Infrastructure, Operations & Security

2007 – Present

*Water & Wastewater Control System Integrator | 19-Year Engagement*

Senior operational consultant guiding the development, infrastructure, security, and lifecycle management of a cloud-based SCADA platform serving water and wastewater utilities across the continental United States. Broad remit spanning technology operations, security, vendor management, business systems, and team development.

- ▶ **Platform & Product Operations:** Stabilized platform at launch; oversaw two major platform upgrades expanding capabilities while maintaining customer base and reliability standards; implemented change control processes governing updates and maintenance schedules.
- ▶ **Data Center & Infrastructure:** Managed colocation facility selection and ongoing operations for cloud SCADA and corporate IT assets; negotiated multi-homed Internet circuits including BGP sessions ensuring infrastructure redundancy for 24/7 critical service.
- ▶ **Networking & Communications:** Implemented private APN cellular networks with AT&T and Verizon securing all customer site communications; managed carrier relationships for critical path pricing optimization; evaluated emerging technologies including infrastructure virtualization, LTE modem selection, and MQTT protocol.
- ▶ **ERP Implementation:** Led full ERP system implementation — requirements definition, vendor evaluation, numeric scoring framework, pricing negotiations, staff presentations, data migration oversight, and delivery validation. Scope: inventory, BOM, project management, AP/AR, and time management.
- ▶ **OT / SCADA Security:** Developed cybersecurity standards, protocols, and policies for internal operations and external municipal customers; engaged with CISA through continuous external monitoring and testing — achieving federal validation of security controls against current industry best practices.
- ▶ **Staffing & Team Development:** Developed job requirements, skillset frameworks, and screening assessments for technical and non-technical roles; participated in candidate evaluation and hiring decisions.

## Independent Consultant — IT Infrastructure & Networking

2004 – 2007

*Self-Employed*

Provided IT infrastructure consulting and sourced enterprise networking and computing equipment — including Cisco PIX firewalls and Sun Microsystems servers — for small and mid-sized businesses during transition to independent practice.

## IT & Facilities Manager

1996 – 2004

*Financial Services & Equipment Leasing Company | 8-Year Tenure*

Full operational ownership of all technology infrastructure and corporate facilities for a financial services firm specializing in enterprise equipment leasing. Sole owner of the company's physical and digital hard assets — the operational foundation the business ran on.

- ▶ **IT Infrastructure:** Managed all network equipment, servers, workstations, software, environmental control systems, and enterprise-grade print systems (OCE); planned and executed equipment procurement and refresh cycles; oversaw all communications contracts including Internet circuits, telephone systems, and cellular.
- ▶ **Facilities Management:** Managed Class A office space across multiple corporate locations; planned and executed office moves, consolidations, and remodeling projects; managed all furniture, fixtures, and equipment through full asset lifecycle.
- ▶ **Warehouse & Asset Operations:** Managed a warehouse facility overseeing receiving, inventory, storage, and remarketing of off-lease enterprise network and computing equipment — asset values up to \$300 million; responsible for all information, communications, and physical security systems for the facility.
- ▶ **Vendor & Contract Management:** Negotiated procurement and service contracts across IT equipment, facilities services, communications providers, and equipment vendors; managed ongoing supplier relationships and service level performance.

## FRAMEWORKS, STANDARDS & TECHNOLOGIES

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- |                                |                            |                                |
|--------------------------------|----------------------------|--------------------------------|
| • NERC CIP                     | • FEMA NIMS                | • CISA Guidelines              |
| • Salesforce (RiskView)        | • SCADA / ICS Platforms    | • Cloud Infrastructure         |
| • Fiber (RPR) / Microwave / T1 | • Licensed 700MHz Wireless | • Private APN (AT&T / Verizon) |
| • BGP / Multi-Homed Circuits   | • MQTT Protocol            | • Cisco PIX / Network Security |

## INDUSTRIES

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- |                                    |                                    |                                     |
|------------------------------------|------------------------------------|-------------------------------------|
| • Energy Generation & Transmission | • Water & Wastewater Utilities     | • Municipal Critical Infrastructure |
| • Financial Services & Leasing     | • OT / ICS Critical Infrastructure | • Cloud Services & SaaS             |

## EDUCATION

### Bachelor of Arts | University of Minnesota

1992

Major: International Relations, Concentration in Conflict Studies · Minor: European History, Concentration in 20th Century Conflicts

## AVAILABILITY & WORK PREFERENCES

Available for consulting, contract, and advisory engagements. Remote-first with availability for on-site work across the United States and internationally. Available immediately.