

CELENIUM

solutions architects and systems engineers

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ENGINEERING INFRASTRUCTURE FOR THE FUTURE

Secure • Smart • Resilient

ABOUT CELENIUM®

CELENIUM®, established in 2009, is a solutions architecture and systems engineering firm specializing in the modernization of **telecom, enterprise, industrial, and mission-critical systems**.

We bridge **OEM innovation and operator execution**, integrating technologies across the **network, compute, and application stack** to deliver **secure, scalable, and mission-ready infrastructure**.

Our **architecture-driven approach** enables **federal, public, and private organizations** to simplify complexity, reduce risk, and accelerate digital transformation.

PERFORMANCE RESULTS

- 75% time savings in automation and network decommissioning
- 50% cost reduction in SD-WAN and HCI projects through technical due diligence
- 15% faster delivery through structured front-end design reviews
- 100% multi-vendor compliance across 3GPP & CALEA systems
- Site handover cut from 6 months to 2 weeks in Oracle/AT&T migration

PRIMARY NAICS CODES

541512 - Computer Systems Design | 541330 - Engineering Services | 541519 - Other Computer Services | 334220 - Radio & Wireless Equipment Manufacturing

CONTACT

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"Empowering smart, connected, and resilient operations by integrating solutions across the technology stack."

CORE COMPETENCIES

Solutions Architecture & Systems Engineering

- Requirements analysis, secure architecture design, validation labs, and lifecycle documentation.
- Deployment planning, cybersecurity hardening, and vendor-neutral integration.

ICT & Industrial Modernization

- Private LTE/5G, Edge, and IP transport design for connected operations.
- Cloud migration, control and data systems virtualization, and IT-OT-Edge convergence for resilient operations.

Test & Measurement Automation

- LabVIEW-based DAQ, control, and HMI systems.
- Real-time validation, analytics, and configuration traceability.

DIFFERENTIATORS

- **Mission-Aligned, Architecture-Driven Delivery** — results-focused, standards-compliant, and scalable
- **Trusted Collaborations** — Supporting Nokia and Facebook initiatives and long-term subcontracting with Oracle to modernize Tier-1 providers (Sprint, T-Mobile, AT&T, Verizon, TELUS, UScellular).
- **Documentation Excellence** — clarity that drives sustainment and compliance
- **Agile with Enterprise-Grade Depth** — responsive small business with large-scale technical maturity
- **Recognized SBA 8(a) Advantage** — direct award and sole-source contracting capability

Let's discuss how CELENIUM® can strengthen your next modernization initiative.

Client Testimonial – Oracle

"Ahmad is a top-tier engineer and solution architect who brings clarity, precision, and professionalism to every engagement." — **Hanan Dadon, Oracle**