

CELENIUM®

SOLUTIONS ARCHITECTS AND SYSTEMS ENGINEERS

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ENGINEERING FUTURE-READY INFRASTRUCTURE

Secure • Smart • Resilient

"Bringing technical coherence to mission-critical modernization."

CELENIUM® MISSION VALUE

- Established 2009 — Small Disadvantaged Business
- Modernizes mission-critical systems, communications networks, and digital infrastructure
- **Bring technical clarity, alignment, coherence, and precision** from requirements through transition to operations
- **De-risk technology modernization** from the outset
- **Improve decision confidence**
- **Accelerate implementation readiness**
- **Help leaders protect technical interests and investments**

SELECTED EXPERIENCE

Experience includes CELENIUM contracts and Ahmad Sultan's prior professional engagements. Logos identify organizations supported; no endorsement is implied.

- Led and supported major communications operators in modernizing mission-critical signaling infrastructure
- Technical lead for Sprint's 3G-to-4G / LTE multi-vendor network-services transformation
- Developed Meta / Facebook MAGMA regulatory-compliance & lawful-access readiness specification
- Contributed to Lucent / Bell Labs wireless platform & IMS architecture, engineering, and performance initiatives

SELECTED PERFORMANCE RESULTS

- **6-mon → ~ 6-wk** in T-Mobile legacy decommissioning
- **72 hr → < 30 min** in AT&T migration-exposure window
- **6/8-mon → ~ 2-wk** in AT&T site handover
- **Up to 50% TCO reduction** in HCI sourcing
- **Up to 60% vendor discounts** in SD-WAN sourcing
- **12-mon → 10-mon delivery** in Sprint 3G/4G transformation

PRIMARY NAICS CODES

541512 - Computer Systems Design
541519 - Other Computer Related Services
Other relevant: 541330, 541511, 541690, 541990

CORE COMPETENCIES

Solutions Architecture & Systems Engineering

- Requirements analysis, architecture/design, interface definition, security alignment, vendor-neutral evaluation, technical due diligence, and lifecycle documentation.

Systems Integration, Validation & Technical Closeout

- Prototype/PoC development and validation, interoperability testing, vendor coordination, migration/MOPs, acceptance readiness, commissioning, and technical closeout.

APPLICATION AREAS

- Communications networks, enterprise IT, industrial/IT-OT infrastructure, private LTE/5G, cloud/edge, and control systems.
- Legacy modernization, service transformation, test/measurement automation, and obsolescence/reverse-engineering support.

DIFFERENTIATORS

- **Mission-Aligned, Architecture-Led Delivery** — results-focused, standards-aware, scalable, and implementation-ready
- **Trusted Technical Leadership in Multi-Stakeholder Environments** — supporting OEM, operator, and prime-contractor initiatives involving Oracle, Nokia, Meta/Facebook Connectivity, and Tier-1 service provider environments (Sprint, T-Mobile, AT&T, Verizon, TELUS, UScellular)
- **Documentation Excellence** — clear, traceable deliverables that support implementation, commissioning, sustainment, compliance, and closeout
- **Agile with Enterprise-Grade Depth** — responsive small business with large-scale technical maturity

Let's discuss how CELENIUM® can support your next infrastructure or modernization program.

CONTACT

Dr. Ahmad Sultan
CEO & Chief Solutions Architect
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Client Testimonial – Oracle

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

CELENIUM®

SOLUTIONS ARCHITECTS AND SYSTEMS ENGINEERS

Realizing Complex Programs through Solution Architecture and Systems Engineering

From Technical Clarity to Delivered Capability

WHEN COMPLEX PROGRAMS NEED TECHNICAL CLARITY

Complex infrastructure and modernization programs rarely fail because of technology alone. They lose momentum when multi-vendor decisions, evolving standards, cybersecurity constraints, integration dependencies, and operational continuity requirements are not translated into coherent architecture and executable transition plans.

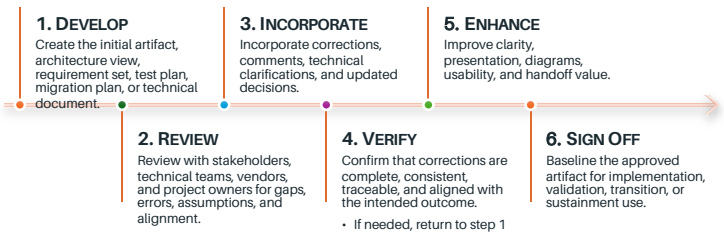
CELENIUM® brings a holistic systems perspective across infrastructure layers, bridging innovation and operations to close the gap between product design intent and operational deployment — a critical failure point for many technically sound initiatives. This helps leadership navigate complex technology initiatives with greater clarity and confidence, while protecting technical interests, infrastructure investments, and long-term mission alignment — rather than forcing adaptation around disconnected tools or vendor-driven architectures.

That is the difference between deploying components — and engineering solutions.

QUALITY COMMITMENT – PRECISION BY DESIGN

CELENIUM® **DRIVES Framework** engrains quality into every deliverable:

- A continuous-review and improvement loop
- Structured rigor from design through delivery
- Reduces rework and ensures accurate, supportable solutions that perform reliably



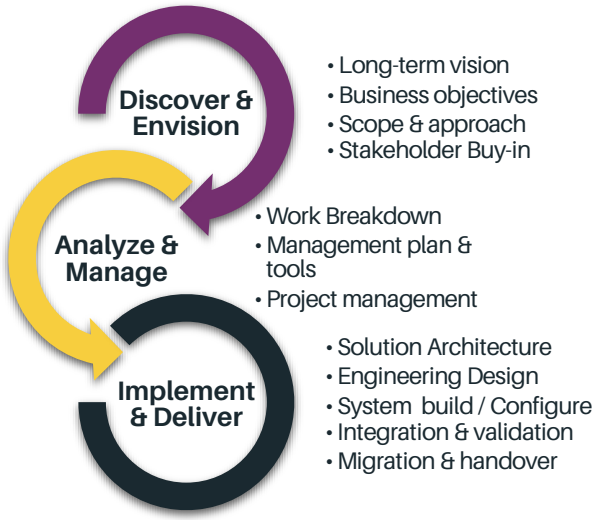
CELENIUM® — Where architecture, engineering, and execution align. Let's deliver what works.

THREE-STAGE PROCESS – FROM VISION TO DELIVERY

CELENIUM® translates vision into delivered capability.

Our three-stage delivery model moves each engagement from *Discover & Envision, to Analyze & Manage, then Implement & Deliver*. It is characterized by:

- Business-driven and architecture-centric
- Iterative, scalable, and risk-focused
- Aligns engagement with business objectives and mission goals
- Achieves outcomes that work with precision and confidence



LEADERSHIP

Dr. Ahmad Sultan

An engineering leader with more than 25 years of experience supporting telecom, enterprise, and mission-critical digital infrastructure modernization, Dr. Sultan combines systems thinking, structured analysis, technical documentation discipline, and practical execution.

His leadership defines CELENIUM®'s architecture-led approach — bridging strategy, engineering, integration, and delivery to produce reliable, supportable outcomes.

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Professional Endorsement

"Ahmad's precision and depth of analysis set a high standard and made him a trusted expert across the organization." — **Jim Hoch, Lucent Technologies**