

Northwest Construction Consumer Counsel Education Program

QC or Not QC?

Ensuring Quality Without the Drama in Civil Construction

Presenters:

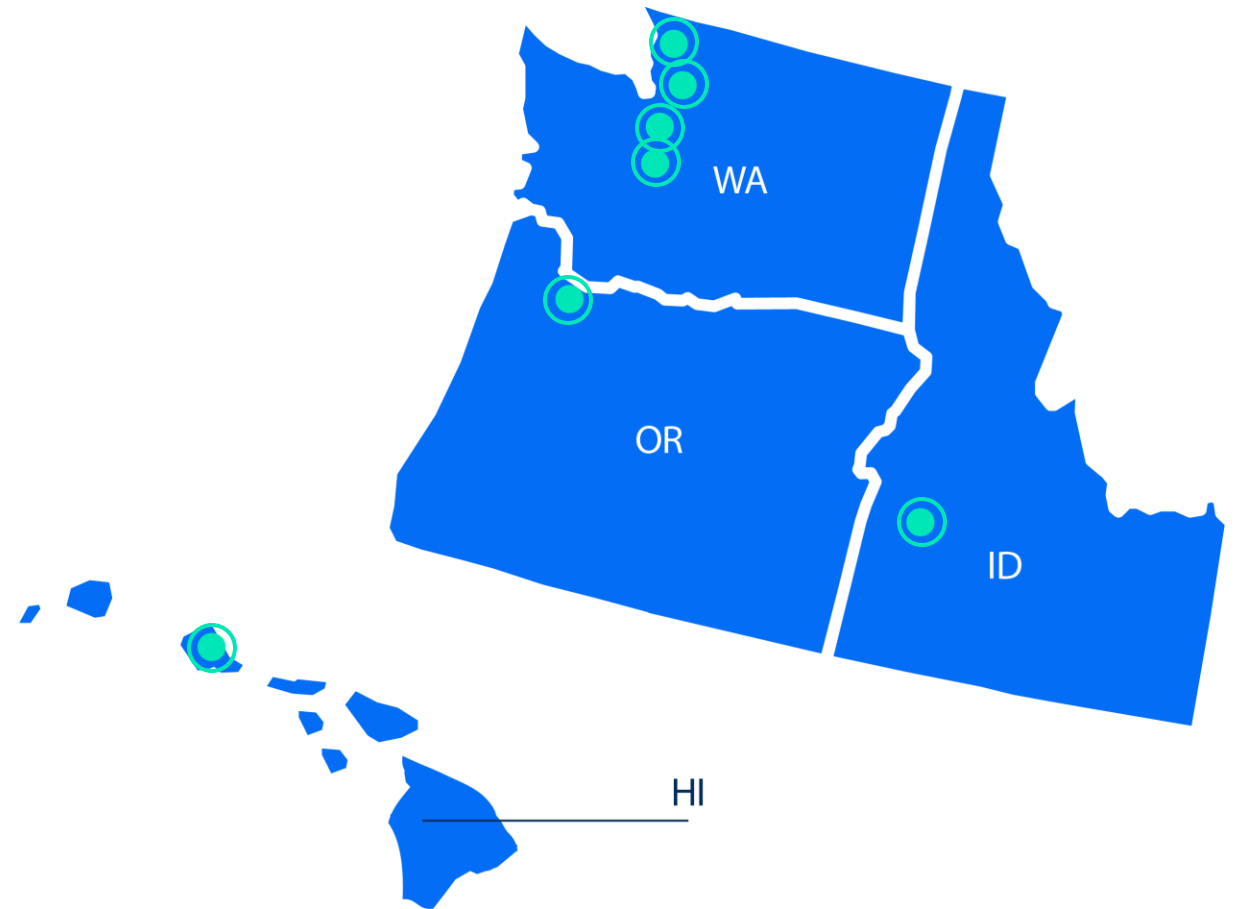
Jeremy Wolf, LEG – Divisional Vice President

Logan Senrud, PE – Technical Director

October 15, 2025

Who We Are

- From GeoTest to Certerra Northwest
- Our Puget Sound organization began in Bellingham.
- Now serving from the Canadian border through Seattle, Tacoma, and Portland.
- Part of a national network offering geotechnical engineering, environmental, QC/inspection and testing, and building science services.



Our Relationships

Certerra has long-standing working relationships with many NWCCC members.

Key Industries

- Refineries
- Utilities
- Heavy Civil
- Federal - Military - DOD

Key Relationships

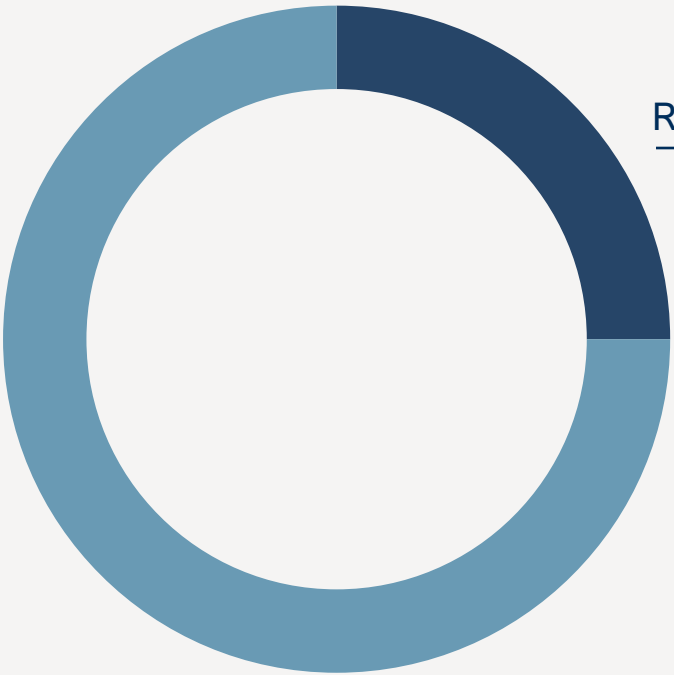


Washington State
DEPARTMENT OF
ENTERPRISE SERVICES



NWCCC Member Relationships

75%
Existing
Member
Relationships



25%
Future
Relationships

Ensuring Quality Without the Drama

Leverage your understanding of the full scope of geotechnical capabilities to better collaborate with your geotechnical subcontractors.

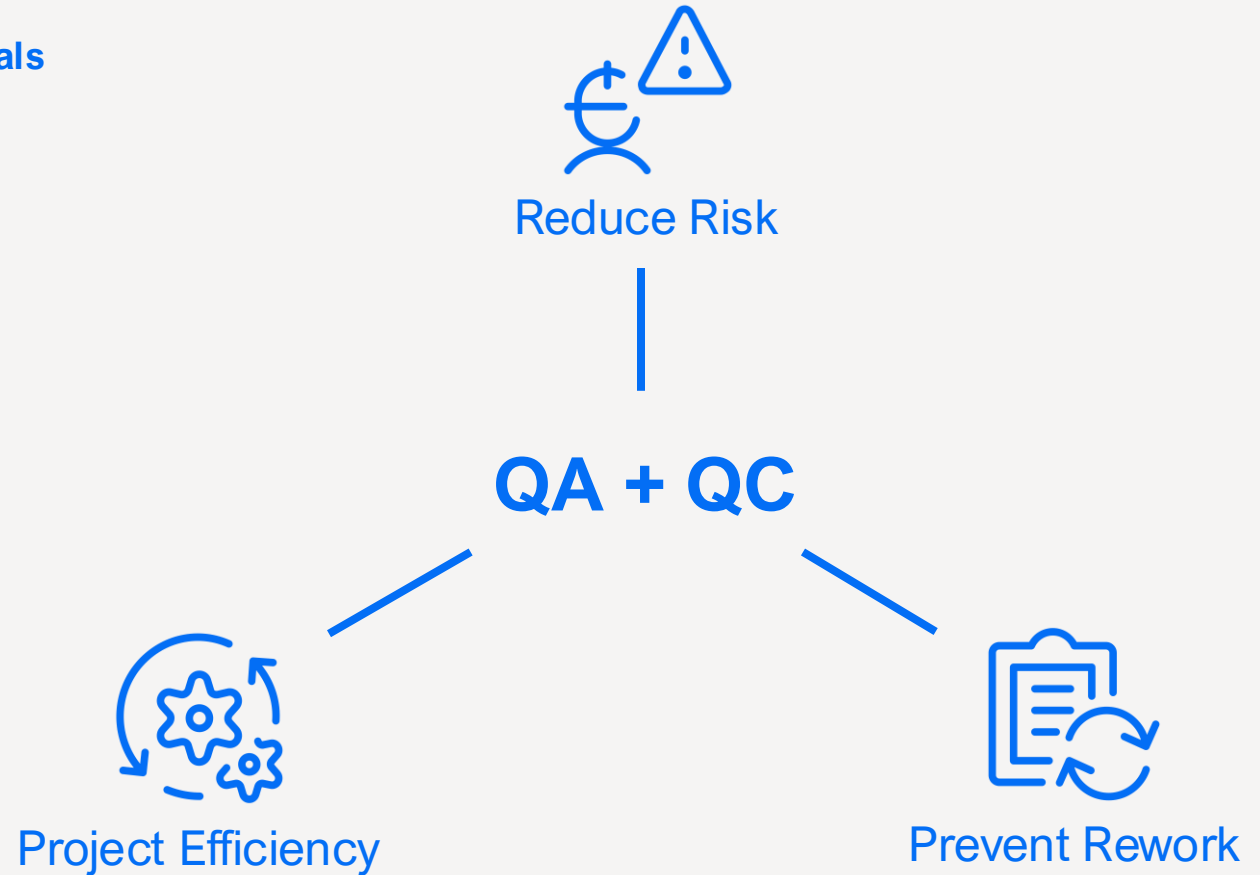
Today's Focus

- QC + QA
- QC = Quality Control + Quality Assurance

Goals

- Reduce Risk
- Prevent Rework
- Make Projects Easier

QC Goals



The Contractor's Dilemma

- Why QC Can Feel Like Drama
- Signing off without technical background
- Confusing test reports (soils, concrete, welds)
- Schedule pressure vs. quality requirements
- “Check-the-box” mentality → rework, liability, reputation risk

Turn Problems...



... into Solutions





Soils & Compaction

- Soils & Compaction Testing
- Moisture – Density – Gradation
- Why it matters: settlement, pavement life, foundation stability
- Contractor benefit: avoid callbacks, reduce over-excavation



Concrete

- Concrete Testing
- Cylinders – Slump – Air – Temperature
- Why it matters: durability, cracking, spec compliance
- Contractor benefit: catch issues early, prevent costly rework



Asphalt & Aggregates

- Asphalt & Aggregate Testing
- Density – Gradation – Binder
- Why it matters: pavement performance, smoothness bonuses



Steel & Other Materials

Vertical and Civil Construction

- Steel & Specialty Materials
- Anchors – Welds – Coatings
- Why it matters: safety, code compliance



QC as a Partner

Code-Compliant, QMS-Driven

- QC: Not a Hurdle, a Partner
- Pre-planning saves money
- Clear reports = actionable info
- Real-time results = fewer surprises

QC as a Hurdle vs.

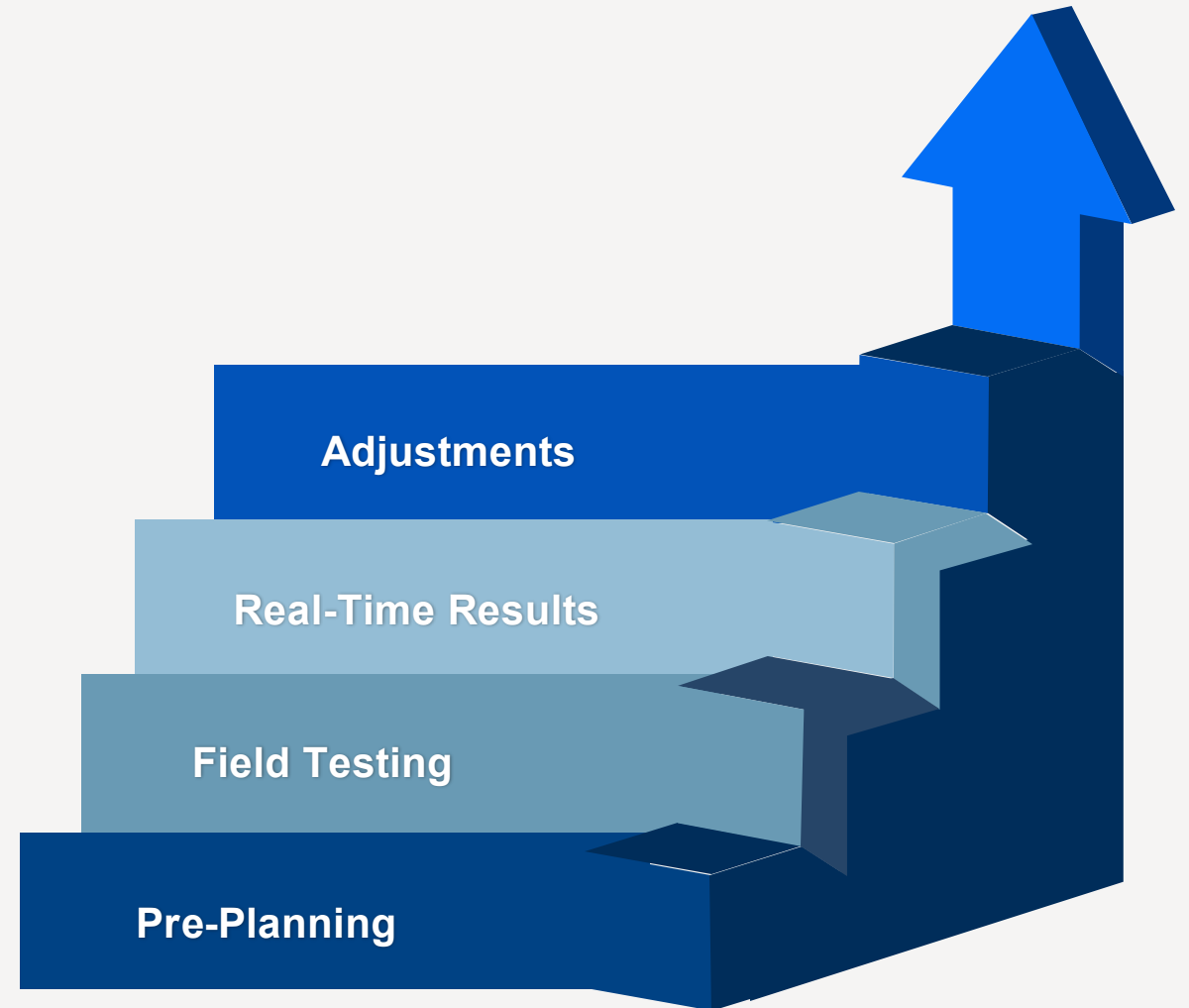


QC as a Partnership



Pre-Planning & Communication

- How to Use QC to Your Advantage
- Involve testers early: submittals, mix designs, earthwork
- Daily reports → 'What does this mean for my schedule?'
- On-site labs, mobile tech, real-time adjustments





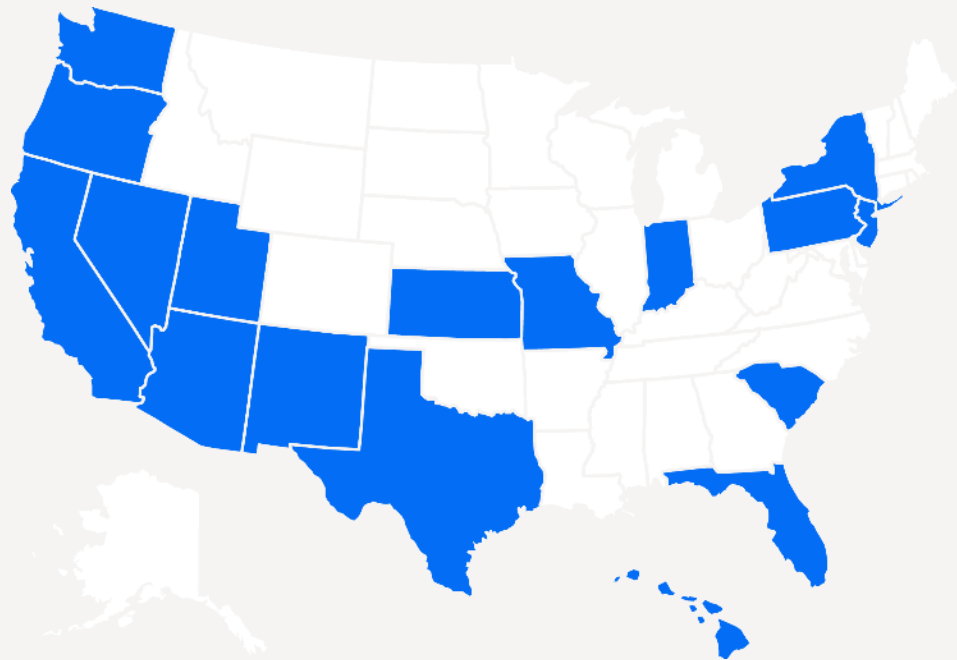
Beyond the PNW

Certerra provides technology-enabled testing, inspection, and certification services for new product development, engineering solutions to manage assets, and quality assurance for project delivery.

Working in partnership, we help you bring code compliant products to market faster, move into construction with confidence, keep your projects moving forwards and extend the life of your infrastructure assets.

Team Personnel Resources

60+	20	60+	~2,000
Office locations	States with full-service capabilities	Years experience	Employees



Beyond the Basics

At Certerra, we deliver expert, accredited solutions with real-time responsiveness to keep projects moving forward.



Construction Materials Testing

Nationwide laboratories for construction materials testing.



Special Inspection & Certification

Special inspection services to verify building code compliance.



Engineering

Engineering solutions from environmental compliance to geotechnical investigations, soils classification, and pavement design.



Beyond the Basics

At Certerra, we deliver expert, accredited solutions with real-time responsiveness to keep projects moving forward.



Instrumentation & Monitoring

Sophisticated construction monitoring on project sites ranging from vibration and crack monitoring to deep foundation integrity testing.



Analytical Laboratories

Specialized laboratory facilities testing materials (asphalt), chemicals (admixtures), and products.



Subsurface Imaging

Comprehensive subsurface expertise including utility locating, GPR, potholing, drilling, and dam assessment.





Contractor Takeaways

- Practical QC Takeaways
- QC = planning tool, not pass/fail
- Ask 'why' and 'so what?' on reports
- Involve QC earlier, not later
- Know your options beyond minimum specs



Case Studies / War Stories

- QC in Action
- Proactive QC → prevented major rework (hold-points)
- Ignored QC → costly fixes & delays

Success Story vs. Failure Story



Q&A / Discussion

Let's Discuss

- What QC Challenges have you run into?
- Where could QC make your projects easier?
- Certerra: Bridging Owners – Contractors – Affiliates

*Open Q&A layout with Owners ⇌ Certerra ⇌ Contractors
graphic; “working together”*