

Hard problems rarely respect disciplinary boundaries.

RISE provides independent technical review for new, consequential, and technically messy physical-world problems that do not fit neatly within one discipline or standard scope of work. Grounded in geology, industrial hygiene, environmental consulting, construction, drilling, and field operations, RISE helps teams find what they may be missing - and decide what to do next.

CORE CAPABILITIES

RED-TEAM REVIEW + TECHNICAL DUE DILIGENCE

Independent challenge of technical concepts, plans, systems, documents, vendor claims, and proposed decisions.

Focus: unsupported assumptions, missing evidence, unowned interfaces, normalized risk, controls that fail in practice, and credible failure paths.

SITE WALKDOWNS + EXPERT INTERVIEWS

Direct observation and structured conversations with the people closest to the system. Compare documented intent with work-as-done and trace materials, decisions, interfaces, and field conditions.

Reviews may include client-authorized unannounced observation, multiple shifts or conditions, and domestic or international site work.

ISRU + EXTREME-ENVIRONMENT ADVISORY

Field-grounded concept review for lunar, Martian, remote, and resource-constrained operations.

Focus: regolith characterization, dust exposure and control, closed-loop materials, remote field operations, worker health in closed environments, and terrestrial technologies adaptable off-world.

REPRESENTATIVE EXPERIENCE

RAPID CONTAMINATED-MEDIA INVESTIGATION

Designed and mobilized a sitewide investigation over one weekend involving 8 Multi Increment decision units, 4 stockpile units, and 8 temporary wells, while training the crew, supporting regulators, absorbing a delayed drill rig, and managing active heat-stress concerns.

KWAJALEIN RAPID DEPLOYMENT

Mobilized internationally within days to provide gas-free monitoring for fuel-farm upgrades, including sourcing the specialized equipment, certifications, and calibration support required to execute the work under severe time constraints.

WHY RISE

- Kimberly Kim, CIH, CSP - Founder & Principal
- Current CIH and CSP; professional geology background
- Two decades across geology, environmental consulting, industrial hygiene, drilling, construction, and field operations
- Rapid mobilization under difficult and changing field conditions
- Cross-disciplinary review of field and management systems

ENGAGEMENT OPTIONS

- Direct consultant or independent technical advisor
- Specialized subcontractor / supplier
- Proposal or capture-team contributor
- Research or grant collaborator
- Short-term embedded reviewer or retained advisor

Remote technical review worldwide.
Domestic and international site visits available with advance coordination.

WHAT RISE DELIVERS

- Written technical opinions, decision memos, red-team findings, and failure-path reviews
- Question maps, assumption registers, annotated technical documents, and site-walkdown debriefs
- Procedures, workflows, templates, technical decision tools, and recommended next actions

HOW AN ENGAGEMENT BEGINS

01

BRING THE PAIN POINT

02

SELECT THE INPUTS

03

OPEN THE SYSTEM

04

GET THE OPINION

An engagement can expand when useful into field review, document analysis, workflow development, proposal support, technical briefings and facilitated challenge sessions, or ongoing advisory relationships.

HAVE A PROBLEM THAT DOES NOT FIT?

Real results start with the right question.

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