PQUANT SERVICES LTD · DOHA · QATAR

The quantitative project-controls house

We measure what projects already record.

PQuant Services Ltd is a Doha-based quantitative project-controls company. Its founding premise is that every capital project already records the data needed to measure its own risk — in the cost register, the resource assignments and the programme — and that this measurement has never been made. PQuant's proprietary engine, **RiskCircuit**, makes it: a published, independently verified framework that reads a project's own records through the mathematics of dynamical systems and graph theory, producing engineering-grade diagnostics of resilience, coupling and exposure. The company earns as it builds — expert-led forensic and advisory engagements today, the Register Analyser software tomorrow, continuous risk monitoring for programme owners thereafter — so that each stage of the product is validated by paying work, not ahead of it.

> *Mission — to make project risk a measured quantity rather than an estimated opinion.*

What we own

RiskCircuit: the measurement engine, developed and owned in Doha. Peer-reviewed core (Springer Nature, 2025), a seven-volume technical corpus with an audited prior-art record, and an engine specification independently re-implemented with every published figure reproduced exactly.

What we do today

Forensic schedule and cost analysis for live disputes — as-built critical-path reconstruction as an auditable computation — together with quantitative risk analysis and predictive cost-control system design for contractors, owners and counsel.

Where it goes

The Register Analyser — register in, diagnosis out — validating estimates and simulating changes live, at bid and through delivery, then continuous monthly risk monitoring for programme owners: early warning before distress becomes a dispute, delivered from Doha to the Gulf and beyond.

Leadership

Brahim Seddiki, Founder — civil engineer (École Nationale Polytechnique), MBA, AACE Certified Cost Professional; trilingual English, French and Arabic. Thirty years in project controls on major capital programmes: nine years as Lead Cost Engineer in Saudi Aramco's Project Management Office reporting at SVP level; project control, economic evaluation and risk at RasGas (QatarEnergy LNG); a thirty-three-person project-controls organisation built and led at Suncor Energy; principal cost engineering at Jacobs; graduate teaching in data analytics for project risk at KFUPM.

Selected publications

- Revolutionizing Project Control: Leveraging Control Theory — *Discover Civil Engineering* 2, 22 (Springer Nature, 2025)
- Advanced Measured Miles Using GMM — AACE Transactions RISK-3997 (2023)
- Risk Analysis via the VNM Utility Function — AACE Transactions RISK-3799 (2022)
- Schedule Beta: Schedule Performance by Analogy to CAPM — AACE Transactions PS-3608 (2021)
- Scope Change Control KPI: A Predictive Analytics Approach — AACE Transactions TCMA-3550 (2020)

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