



Maple Quanta Inc.

Capability Statement

Clarity for AI, Data Science, and Quantum Technology

Company Overview

Maple Quanta Inc. is a Canadian consulting firm based in Ottawa, Ontario, specializing in artificial intelligence, data science, and quantum technology advisory services. We help organizations assess opportunities, govern risks, evaluate technical claims, and make evidence-based decisions regarding emerging technologies.

Our focus is practical and independent: helping leaders move from uncertainty to informed action through sound analysis, disciplined governance, and strategic technical guidance.

Core Capabilities

Artificial Intelligence Governance & Readiness

- AI readiness assessments
- AI governance frameworks
- Responsible AI implementation
- Model risk assessment
- AI adoption strategy
- Executive AI briefings

Data Science & Analytics Assurance

- Independent model audits
- Data quality assessment
- Validation and performance review
- Bias and uncertainty analysis
- Technical due diligence
- Decision-support analytics

Mission

To provide independent, scientifically grounded advisory services that enable organizations to adopt emerging technologies responsibly, confidently, and effectively.

Leadership

Maple Quanta Inc. is led by **Dr. Qasem Exirifard**, a scientist and strategic technology advisor with cross-sector experience in government, academia, and industry, bringing expertise in artificial intelligence, advanced analytics, information integrity, and quantum technologies.

Quantum Technology Advisory

- Quantum readiness assessments
- Quantum use-case evaluation
- Quantum strategy development
- Post-quantum risk awareness
- Vendor claim evaluation
- Executive quantum briefings

Technology Risk & Governance

- Governance gap analysis
- Risk registers and mitigation planning
- Policy and control reviews
- Evidence-based decision frameworks
- Technical procurement support

Selected Expertise

- **Artificial Intelligence Governance**

Development and assessment of governance frameworks, accountability mechanisms, risk controls, and responsible AI practices aligned with organizational objectives.

- **Data Science Audits & Model Assurance**

Independent evaluation of analytical models, machine learning systems, assumptions, data quality, performance metrics, and decision-support processes.

- **Technology Risk Management**

Identification, assessment, and mitigation of technical, operational, privacy, security, and reputational risks associated with emerging technologies.

- **Information Integrity & Influence Operations Analytics**

Analysis of online information ecosystems, coordinated influence activities, narrative propagation, and data-driven approaches to understanding information environments.

- **Strategic Analytics & Decision Support**

Design and evaluation of analytical frameworks supporting evidence-based policy development, operational planning, and executive decision-making.

- **Quantum Technology Strategy**

Assessment of quantum computing developments, technology readiness, adoption pathways, and implications for organizational strategy and risk management.

- **Technical Due Diligence**

Independent review of technical claims, vendor capabilities, AI products, data platforms, and emerging technology investments.

- **Research & Innovation Advisory**

Scientific and technical guidance for organizations seeking to evaluate, prioritize, and operationalize advanced technologies.

Differentiators

- **Scientific Depth** — Led by a researcher with a record of advancing AI, analytics, and quantum strategy across sectors.
- **Independent Advice** — Driven by client objectives, not vendor relationships or implementation incentives.
- **Governance First** — Technology adoption evaluated through risk, accountability, transparency, and sustainability.
- **Public-Sector Experience** — Supporting governance, analytics, and technology initiatives in complex organizational environments.
- **AI & Quantum Expertise** — A rare combination of practical AI governance and advanced quantum technology understanding.

Typical Deliverables

- AI Readiness Assessments
- AI Governance Reviews
- Technical Audit Reports
- Executive Briefings
- Risk Registers
- Technology Risk Assessments
- Quantum Readiness Assessments

Clients We Support

- Federal & provincial governments
- Crown corporations
- Regulated industries
- Small & medium enterprises

Corporate Information

Legal Name	Maple Quanta Inc.
Corporation No.	1801626
Jurisdiction	Canada Business Corporations Act (CBCA)
Head Office	Ottawa, Ontario, Canada
Website	maplequanta.ca
Email	contact@maplequanta.ca

Independent Technical Judgment for Responsible Technology Adoption