Creating innovative, human-centred risk management approaches that help transform industry’s ability to sustain leading-edge operations in a changing world.

UQ R!SK SCOPE

The UQ RISK program of work focuses on discovering, implementing and teaching wholistic approaches to risk management that cover:

WHAT DOES UQ RISK DO?

UQ RISK specialises in developing and empirically testing innovative approaches to better identify and address current and future risks challenges that can impact operational competitiveness. We collaborate with companies, government and industry bodies and other researchers to deliver innovative, integrated, wholistic, and practical risk management initiatives that improve risk identification, assessment and treatment processes as well as risk-based intelligence, decision making, and communication processes.
WHY UQ RISK?

UQ RISK aims to advance risk management beyond traditional loss reduction mindsets to identify and optimise the range of upside and downside risks that can impact performance.

UQ RISK’s PROJECT PARTNERS

UQ RISK focuses on collaborative projects aimed at delivering effective, practical and impactful solutions for industry. Project partners have come from:

- Industry bodies: mining and primary industries
- Major service contractors
- Manufacturing
- Mining
- Process industries
- Oil and Gas
- Technology developers
- Gaming industry

Entities that UQ RISK has performed work include ACARP, Downer EDI, Glencore, Minerals Council of Australia, NSW Resources Department, Peabody, Primary Industry Health and Safety Partnership, Rio Tinto, Sandvik, Yancoal.

Projects include delivering training programs, providing expert risk advice, facilitating critical control work, doing in-depth in-field performance assessments, and partnering on PhD projects.
UQ RISK FOCUS AREAS

UQ RISK EDUCATION PROGRAMS

UQ RISK provides a series of popular master classes each year and a wide range of tailored continuing professional development (CPD) courses and workshops including:

- Critical control identification and management
- Human-centred design
- Incident investigation
- Decision making and project performance
- Human factors
- Strategic systemic risk management.

UQ RISK also supports PhD and Masters programs often in collaboration with industry partners. Current projects include:

- Development of data mining and intelligence approaches to improve operator decision making
- Next generation approach for managing Boeing Research and Technology risks
- Human Factors for energy management
- Development of incident investigation processes that promote more effective risk control
- Integrated Project Risk Management for Residential Recycled Water Schemes
- Social risk management in the Australian coal industry
- Integration of risk management and occupational health and safety (OHS) in assessing the implementation and acceptance of gold processing technology in artisanal mining
- The use of high fidelity dynamic process simulators to improve risk analyses
- Superior megaproject performance through timely intervention in Civil Engineering curricula
- Contractor risk management in industry: A SWOT analysis
- Evaluation of incident investigations in the Ghanaian Mining Industry to promote practices