



**chi decisions**  
**better decisions**

At **chi decisions**, we help  
companies make better decisions.



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Enterprise Risk Management

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Process Safety Management

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Decision Making Under Uncertainty

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# Enterprise Risk Management



## Services

- Enterprise Risk Framework – Strengthening Governance and Enabling Decision Making
- Quantitative Enterprise Risk Register Development
- Scenario Analysis for tail risks
- Embedding uncertainty analysis into strategic and tactical decision making
- Facilitation of executive level and board level risk workshops
- Executive level and board level risk reporting

## How we have served customers

- Organisational Material Risk Profile Review – BHP OS
- Insights and Reporting for monthly Risk Steering Committee – BHP OS
- Insights and Reporting for Monthly Risk and Audit – BHP OS
- Half yearly board risk reporting – BHP OS
- Decision framing papers for risk reduction initiatives – BHP OS and COAP
- ERM mental model article – [Dual Nature of ERM: Defence and Offence](#)

# Process Safety Management



## Services

- Safety Case Development or Review and Revision
- MHF Major Incident Bowtie and Critical Control Performance Standards.
- Consequence modelling (fire, explosion and toxic release)
- Quantitative risk assessment (QRA)
- Management of Change
- Facilitation of Process Hazard Analysis (PHA) workshops.
- Facilitation of HAZOP workshops.

## How we have served customers

- Safety Case Review and Revision – Caltex/Ampol
- Generic Bowtie and Critical Control Performance Standards for Fuel Terminals – Caltex/Ampol
- HAZOP facilitation >10 Caltex/Ampol and BP
- QRA modelling >10 models. Clients include QGC, Momenive, Acciona Trility Joint Venture and LandCorp.
- Management of Change (MoC) Simplification Project – Caltex/Ampol
- Incident Investigation – Caltex/Ampol

# Project Risk Management



## Services

- Project Risk Register Development for Studies and Delivery Projects
- Cost and Schedule Risk Assessment (SCRA) / Project QRA for risk-informed capital estimates including contingency.
- Project Independent Peer Reviews (IPR)
- Project Assurance Reviews (L2AR)
- Facilitation of project and portfolio level risk assessments.
- Project and Portfolio risk management reporting

## How we have served customers

- Project Risk Register Development >10 projects (studies and EXE) – BHP COAP
- Cost and Schedule Risk Assessment modelling on projects – BHP COAP
- Project Independent Peer Reviews >10 – BHP Minerals Australia Projects
- Project Manager for Newport Terminal Safety Case Review – Caltex/Ampol
- Project and Portfolio Risk Assessment Facilitation >20 – BHP COAP
- Monthly Project and Portfolio Risk Reporting – BHP COAP

# Mining Risk Management



## Services

- Risk Assessment Facilitation – Workplace Risk Assessment and Control (WRAC) or Construction/Constructability Risk Assessment (CRAW)
- Coal Mine Principal Hazards analysis (bowtie), monitoring and reporting
- Safety and Health Management System Development and Assurance
- Project Fatal Risk Assessment Facilitation
- MOC Risk Assessment Facilitation

## How we have served customers

- WRAC or CRAW risk assessment facilitation and reporting – BHP
- Project Fatal Risk Assessments – BHP COAP
- Operational Readiness Risk Assessments – BHP COAP
- MOC Risk/Impact Assessment Facilitation – BHP OS and Caltex/Ampol
- PDCA framework for Mine Principal Hazards or equivalent – BHP COAP and BHP OS
- Critical Control Performance Standard Development and Review – BHP and Ampol
- Development of standards and procedures as part of the SHMS – BHP OS and Ampol

# Decision Making Under Uncertainty **chi decisions** better decisions

## Services

- Decision Tree Analysis
- Application of SABUDI™ framework for Strategic Business Decisions
- Embedding uncertainty analysis into strategic and tactical decision-making using Monte Carlo simulation
- Sensitivity analysis identifying most significant value drivers for investments
- Opportunity/Decision Framing Workshop facilitation for senior leaders and executives
- Decision reports e.g. Business Cases, Risk Treatment Recommendations Report.

## How we have served customers

- Risk Reduction Prioritisation Reports (or equivalent) – Caltex/Ampol, BHP COAP and BHP OS.
- Opportunity or Decision Framing Workshop Facilitation – Caltex/Ampol, BHP COAP and BHP OS.
- End to end decision facilitation from framing to implementation and iteration – BHP OS
- Training – [Strategies for Minimising Bias in Decision Making](#)
- Article on applying the [Decision Trees](#)
- Article on applying the [SABUDI framework](#).

# How can we support you?



 Book [here](#) for a free 20-minute consultation.

## Contact

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