

PROCESS SAFETY ENGINEERING

Safety Cases, HAZOPs, PHAs, Bowties and Critical Control Performance Standards for high-hazard sites

15+

Years in process safety

30+

HAZOPs & QRAs facilitated

RPEQ · PPSE

Chartered credentials

BHP · Ampol · BP

Trusted by

■ We're Here for You

Chi Decisions brings engineering rigour to process safety, from safety case renewal to hands-on HAZOP facilitation. Led personally by Arthur Chivinge, RPEQ and Professional Process Safety Engineer, every study is engineered, not just facilitated.

- Safety case development, review and MHF licence renewal
- HAZOP, CHAZOP, IHAZID, WRAC, CRAW and PHA facilitation, scribing and reporting
- MHF bowties and critical control performance standards
- Consequence modelling: fire, explosion, toxic release
- Quantitative Risk Assessment (QRA)
- Management of Change (MoC) support and simplification

■ How Others Have Benefited

- Led revision of Caltex/Ampol's Newport Terminal Safety Case, securing renewal of an unconditional MHF licence with no operating conditions attached.
- Facilitated and scribed 20+ HAZOPs for Caltex/Ampol and BP, identifying latent design hazards and operability issues and strengthening safeguards for people, assets and environment.
- Stewarded Caltex's IHAZID program across terminals, depots and pipelines, establishing standardised critical controls and reducing procedural burden and enabling consistent verification.
- Revised Caltex's National Tank Alarm Setting Standard to align with API 2350, standardising overfill protection and strengthening risk control across the terminal network.
- Delivered 10+ QRA models for QGC, Momenive, Acciona Trility JV and LandCorp, supporting control adequacy, cost-benefit and regulatory risk decisions for site approvals.



■ Don't Just Take Our Word for It

"A capable, approachable and energetic risk partner. Worked with Arthur across several projects and portfolios and always delivered on what was needed from his role."

[Dane Pettett, Engineering Manager, BHP COAP]

■ The Credentials Behind It

- RPEQ (Chemical Engineering), Board of Professing Engineers Queensland (BPEQ)
- Chartered Engineer (Risk Engineering), Engineers Australia
- Professional Process Safety Engineer (PPSE), Institute of Chemical Engineers (ICHEME)
- BEng Chemical Engineering (Hons), Curtin University of Technology
- Apollo Root Cause Analysis Facilitator, ARMS Reliability

Got a safety case due, or a HAZOP or PHA that needs a facilitator who's also an engineer? Let's talk.



chi decisions
better decisions

20 Christina Drive, Coomera QLD 4209 | +61 428 402 125
admin@chidecisions.com.au | www.chidecisions.com.au

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