# MAJOR HAZARD FACILITIES & SAFETY CASE SUPPORT

A Full Range of Services for MHF and Safety Case Compliance

## BUSINESS CHALLENGE

Under legislative requirements, Major Hazard Facility (MHF) sites are required to develop a Safety Case report which identifies the major accident hazards across sites, establishes the adequacy of controls to manage the hazards, and reviews the Safety Management System which systematically manages risks across the site.

## SOLUTION

Bureau Veritas offer an extensive range of high level safety engineering and risk management services to MHF industries and offshore facilities.
Bureau Veritas' core capabilities focus on the provision of MHF-related services, including the preparation of Safety Cases, formal safety assessments and the development of Safety Management Systems. Bureau Veritas' team of engineers have demonstrated knowledge and understanding of all elements of Safety Case and the associated regulatory and legislative requirements for MHF in Australia.

**Our services:**

Bureau Veritas are able to provide you with the following MHF-related services:

- Facility Description;
- Preparation for new Safety Case Licensing and Submission Support, including concept safety studies and technical design decisions;
- Formal Safety Assessments;
- Hazard Identification (HAZID) Workshop Facilitation;
- Hazard & Operability (HAZOP) Workshop Facilitation;
- Quantitative Risk Assessments (QRA);
- Qualitative Risk Assessments;
- Fire and Explosion Assessments (FEA);
- Offshore Safety Cases in compliance with NOPSA;
- Gas dispersion modelling;
- Safety Integrity Level (SIL) assessment;
- Layer of Protection Analysis (LOPA) assessment;
- Bow Tie Diagram analysis;
- Exiting Safety Case review and auditing;
- Safety Management System support;
- Emergency response analysis and planning;
- Security analysis;
- MHF-related safety auditing.

## RELATED **SERVICES**

- Online Risk Register and Action Tracker Software
- Emergency Systems Reliability Analysis
- HSE Management Support
- Job Safety Analysis (JSA) templates
- Risk Management Standards
- Dangerous Goods Management and Risk Assessment
- Hazardous Substances Management and Risk Assessment

## WHY CHOOSE BUREAU VERITAS?

**Recognition** Founded in 1828, Bureau Veritas is a world leader specialising in conformity assessment services related to Quality, Health, Safety & Environment (QHSE).
Certified to ISO9001 for all of its activities globally, Bureau Veritas is well known for its ability to adapt to changing client environments and situations and for its commitment to providing leading solutions through quality service.

**Knowledge & Expertise** Through expert local teams and technical knowledge, Bureau Veritas are able to deliver packaged and targeted solutions and information, to support our clients' unique business requirements.

**Network** With a global network of over 900 locations in more than 140 countries, Bureau Veritas provides tailored solutions to clients throughout the world across a diverse range of industries.

## KEY BENEFITS

**Key benefits include:**

- Major hazard identification and control implementation across site;
- At the conceptual stage, hazards can be revealed early in the project before significant costs have been occurred. This can also assist with layout planning and equipment selection;
- Development of Safety Case through FEED, detailed design, construction and operations;
- Development of the corporate memory needs to assist transition from design through to operational phase;
- Establishment of inspection and testing requirements for safety critical elements during detailed design phase;
- Safety Case licensing;
- Legislation and regulatory compliance;
- Demonstration of duty of care;
- Demonstration of ALARP;
- Clear documentation available for auditing by Management and Legislative Inspectorates;
- Development and implementation of an effective Safety Management System;
- Decommissioning safety case.

## CONTACT

For details about this service, please contact
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## FOR MORE **INFORMATION**

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