



**Machine & Process Safety
Assessment Group**

A division of  *Airline*



Learn More Today!

www.mpsasafety.com

Certified Safety Consultant Services **Safety Risk Assessment**

Are You Prepared to Address Safety Hazards?

Our Certified Safety Consultants thoroughly measure safety hazards and their severity, exposure, and probability with a safety risk assessment. We utilize industry standards such as ANSI-B11 and ISO 13849.

Key Benefits:

- Identify Hazard Points
- Evaluate Probability & Severity
- Mitigate Safety Risks
- Ensure Compliance
- Protect Your Workforce

See other side for our process!

Our Process:



Thorough
Hazard Assessment



Risk Evaluation
& Prioritization



Solution
Recommendations



Compliance
Assurance

Safety Risk Assessment Includes:

1. Document & Training Assessment
2. Control Reliability Assessment
3. Procedural Assessment
4. Risk Prioritization Matrix

▼ Control Reliability Assessment

Identify non-mechanical hazards affecting control reliability. Address electrical, pneumatic, and hydraulic components and circuits for safety.

Likelihood of Occurrence or Exposure	Severity of Injury or Illness Consequence and Remedial Action			
	CATASTROPHIC Death or permanent total disability	CRITICAL Disability in excess of 3 months	MARGINAL Minor injury, lost workday accident	NEGLIGIBLE First Aid or Minor Medical Treatment
Frequent Likely to Occur Repeatedly	HIGH Operation not permissible	HIGH Operation not permissible	SERIOUS High Priority action	MEDIUM Take Remedial action at appropriate time
Probable Likely to occur several times	HIGH Operation not permissible	HIGH Operation not permissible	SERIOUS High Priority action	MEDIUM Take Remedial action at appropriate time
Occasional Likely to occur sometime	HIGH Operation not permissible	SERIOUS High Priority action	MEDIUM Take Remedial action at appropriate time	LOW Risk Acceptable: Remedial Action Discretionary
Remote Not likely to occur	SERIOUS High Priority action	MEDIUM Take Remedial action at appropriate time	MEDIUM Take Remedial action at appropriate time	LOW Risk Acceptable: Remedial Action Discretionary
Improbable Very unlikely – may assume exposure will not happen	MEDIUM Take Remedial action at appropriate time	LOW Risk Acceptable: Remedial Action Discretionary	LOW Risk Acceptable: Remedial Action Discretionary	LOW Risk Acceptable: Remedial Action Discretionary

◀ Procedural Assessment

Review methods and procedures for material handling, use, and storage. Enhance safety protocols and practices.

Document & Training Assessment ▲

We review and evaluate all equipment usage documentation, including training manuals and maintenance logs. Ensure proper operator training and evaluations.

Risk Prioritization Matrix ▲

Prioritize hazards based on exposure duration and potential injury severity. Tackle the most critical safety risks first.



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