

## Element 2: risk assessment and management

**Comprehensive risk assessments can reduce safety, health, environmental and security risks and mitigate the consequences of incidents by providing essential information for decision-making.**

- 2.1 Risk is managed by identifying hazards, assessing consequences and probabilities, and evaluating and implementing prevention and mitigation measures.
- 2.2 Risk assessments are conducted for ongoing operations, for projects and for products in order to identify and address potential hazards to personnel, facilities, the public and the environment.
- 2.3 Periodic risk assessments are performed by qualified personnel, including expertise from outside the immediate unit, as appropriate.
- 2.4 Risk assessments are updated at specified intervals and as changes occur.
- 2.5 Assessed risks are addressed by specified levels of management appropriate to the nature and magnitude of the risk, and decisions are clearly documented.
- 2.6 A follow-up process is in place to ensure that risk-management decisions are implemented.