

HAZARD IDENTIFICATION STUDY (HAZID)



Most government licensing authorities require operating companies to carry out Health & Safety and Environmental (HSE) studies during the design of facilities, as well as prior to construction and during operation. Hazard studies carried out late in the design phase identify safety and environmental issues that can cause project delays or costly design changes. Therefore, a systematic hazard study during early design can facilitate the avoidance or reduction of hazards.

HAZID study is a tool for hazard identification, used early in a project as soon as process flow diagrams, draft heat, mass balances, and plot layouts are available. Existing site infrastructure, weather, and geotechnical data are also required, as these are a source of external hazards. The method is a design-enabling tool, acting to help to organize the HSE deliverables in a project.

This is a structured brainstorming technique which typically involves designer and client personnel from various engineering disciplines, project management, commissioning and operations. Major findings and hazard ratings help to deliver HSE compliance, and form a part of the project Risk Register, required by many licensing authorities.

TUV India delivers this service by utilizing its engineers and technologists who have an appropriate

understanding of the client's business and culture required for efficient facilitation of this session with the multidisciplinary team from client's end.

Benefit to customers

- Good identification of hazards and safeguards at an early stage in the design of a facility
- Team output helps to ensure that HSE hazards are revealed at an early stage in the project, before significant costs have been incurred
- Hazards are recorded so that they can be avoided, mitigated or highlighted during design
- Action responses are auditable by Management and Legislative Inspectors
- Design or Construction delays and budget over-runs are avoided
- Fewer hazards remain un-revealed during the commissioning & operation of plant



About Us:

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We are proud to provide increasing levels of services to the best known, largest global and national companies as well as medium and small industries in diverse sectors like Oil & Gas, Petrochemical, Nuclear, Renewables, Infrastructure, Food, Power, Manufacturing, Chemicals, Pharma, Paper, Automobiles, Railways, Aerospace, Defence, IT, Health, Hospitality, Retail, etc.

Over 1400 competent and experienced TUV India experts spread across India and over 14000 TÜV NORD experts all over the world, enthusiastically support our clients by providing value-added services in Industry Inspection, European / International Approvals,

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TUV India Private Limited

Registered & Head Office

801, Raheja Plaza-I, LBS Marg, Ghatkopar (W), Mumbai - 400086

T +91 22 664 77000, T 1800 209 0902

E infoindia@tuv-nord.com

W www.tuv-nord.com/in

