

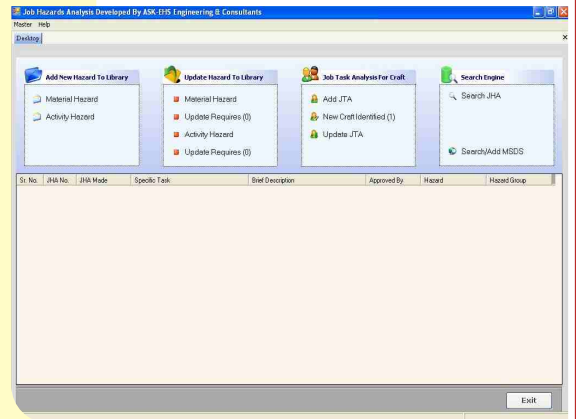
Introduction

Job Hazard Analysis is a technique that focuses on job tasks in a manner to identify hazards before they occur. It focuses on the relationship between the worker, the tasks, the tools, and the work environment. Ideally, after you identify uncontrolled hazards, you will take steps to eliminate or reduce them to an acceptable risk level.

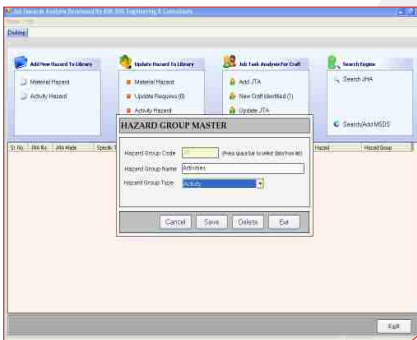
Job Hazard Analysis (JHA) Software is the integration of activity, work environment, job/post related hazards, hazard sources, involved risk, its' counter measures and personal protective equipment database.

Web based software lets you use corporate intranet or the internet to bring JHA documents to every desktop and work location in an organization. User can easily access history JHAs with the help of search engine by any combination of criteria such as work description, activity, hazards, etc...

JHA software is equipped with inbuilt data library of standard JHAs, hazards, control measure and consequences. These library data can be updated by authorized user for future references.



Advantages



- ▶ Simultaneous employee protection, cost reduction and sustainability enhancements
- ▶ Standard JHA procedures that lead to best practices for addressing hazards and control measures
- ▶ Potential hazards can be identified before it's too late
- ▶ Knowledge-base generation for key learning's and identification of new hazards/risks and their counter measures
- ▶ Flexible and User-Friendly – fully configurable and customizable JHA templates to meet client specific needs
- ▶ Centralized and updated information availability on time
- ▶ Saves time by eliminating duplicated effort

Key Features

- ▶ Enriched with library of standard JHA, hazards & their control measures & consequences
- ▶ Identify hazards and required control measures for each task step
- ▶ Associate personal protective equipment (PPE) to each task step
- ▶ JHA Tracker : Search history JHA with mix and match criteria filtering
- ▶ Record all parties involved in JHA, including those interviewed, observed, or otherwise
- ▶ Associate JHA with job titles, departments, and locations
- ▶ Define standard phrases for describing hazards and control measures and duplicate JHA for similar jobs
- ▶ Easy integration with other software like Permit To Work software
- ▶ Risk Matrix : Severity, consequences, probability & risk factors in tabular format



Area of Application

- ▶ Oil & Gas
- ▶ Petrochemicals
- ▶ Construction
- ▶ Ports
- ▶ Power plants
- ▶ Airports
- ▶ Pharmaceuticals
- ▶ Manufacturing
- ▶ Health Estates
- ▶ Defense

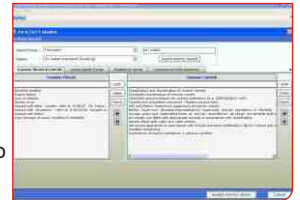
Modules

→ Enriched with library of standard JHA, hazards & their control measures

JHA Software includes inbuilt data libraries on following subjects

1. Ready-made JHA for different industrial sectors
2. Hazards
3. Control measures
4. Consequences

Finding of new hazards, control measures or consequences during development of new JHA, later on it can be added to library data by authorized user only for future reference.



→ Identify hazards and required control measures for each task step

→ Associate personal protective equipment (PPE) to each task step

→ JHA Tracker : Search history JHA with mix and match criteria filtering

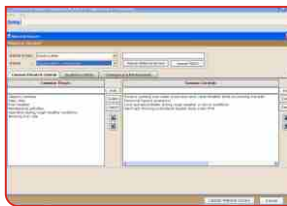
This module provides facility to track history JHA by mix and match criteria such as JHA no., hazard group, activity, work environment, prepared/issued by, approved by etc.

→ Record all parties involved in JHA, including those interviewed, observed, or otherwise concerned

→ Associate JHA with job titles, departments, and locations

→ Define standard phrases for describing hazards and control measures and duplicate JHA for similar jobs

→ Easy integration with other software like Permit To Work software



JHA Software can be integrated with Permit To Work software. JHA software will work as a one module equipped with database of hazard, hazard sources, involved risk, its counter measures and required personal protective equipments.

Permit To Work software users can have following facilities from JHA software;

1. Track JHA
2. Create New JHA
3. Risk Matrix

JHA data libraries update facility, only accessible to authorized users of Permit To Work software

→ Risk Matrix : Severity, consequences, probability & risk factors in tabular format

Risk matrix module is easy to use conversion of tabular formatted fields, specified below;

1. Severity (Negotiable, Marginal, Critical, Severe, Catastrophic)
2. Consequences (People, Environment, Asset, Reputation)
3. Probability
4. Risk (Low, Medium, High)

