



HAZID

Identify and Control Hazards

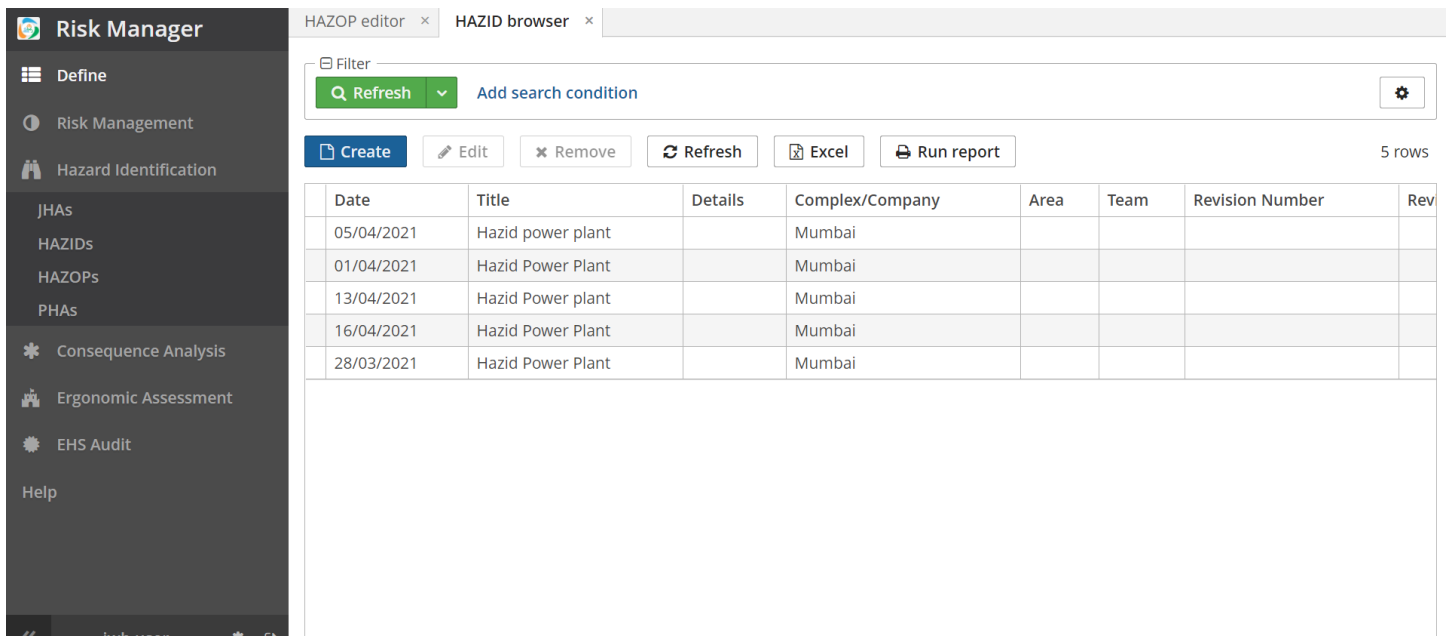
HAZID

HAZID (Hazard Identification) is a qualitative technique for the early identification of potential hazards and threats effecting people, environment, assets or reputation.

The study method is a combination of identification, analysis and brainstorming by the HAZID team members. Guidewords are used in order to identify possible potential and hazardous effects as well as threats. Furthermore the team analyses the appropriate controls that should put in place in order to prevent or control each identified threat.

SheelRisk module HAZID can be used to record HAZID analysis, their revision.

To open HAZID, click [Hazard Identification/HAZID](#) in sidebar. This will open browse screen listing all HAZID recorded into system.



The screen has four items - Filter, Top toolbar and table of records. User can filter data using filter box. Toolbar has buttons for different data operations like create, edit and delete. Table of records list all recorded data and can be sorted by clicking on the heading of columns.

Toolbar

Toolbar contain following buttons-

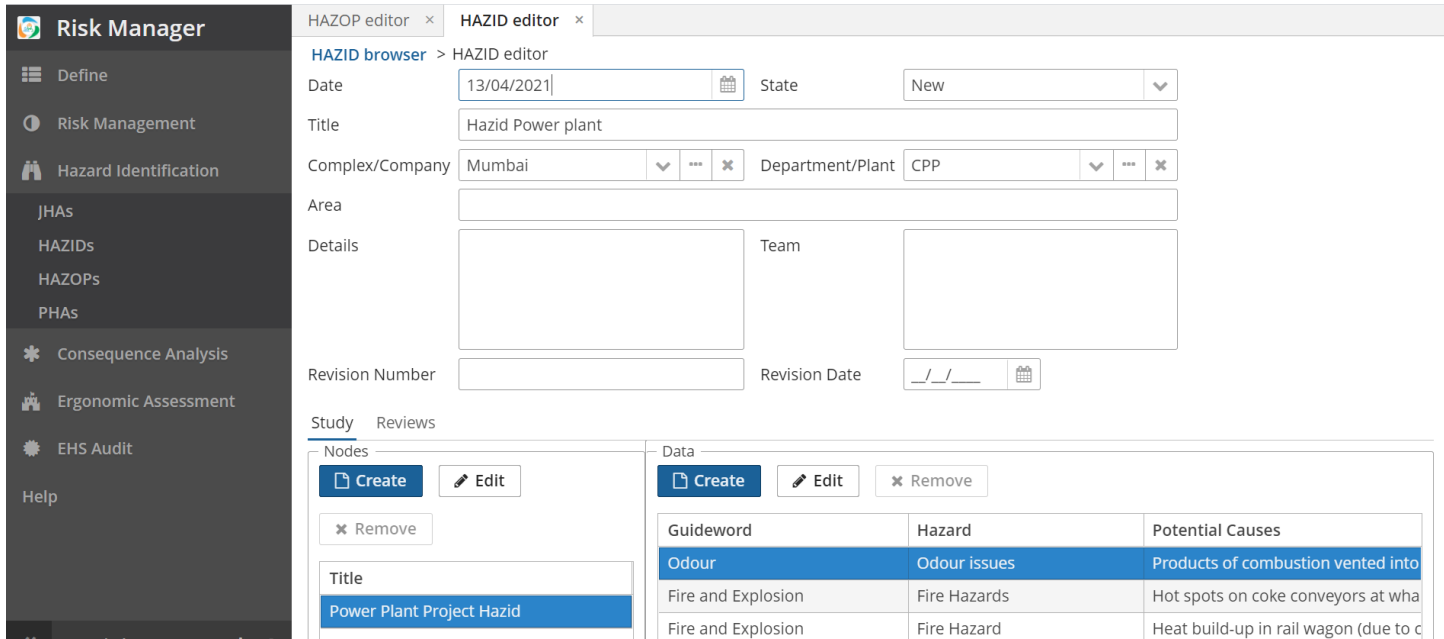


Create	To record new HAZID
Edit	To edit the selected HAZID
Remove	To delete the selected HAZID

Refresh	To refresh the data in table
Excel	To export the table data in Microsoft Excel Format
Run Report	To generate report

Adding New HAZID

To add new HAZID to database, click [Create](#) button in top toolbar, this will open Add/Edit screen.



HAZOP editor × HAZID editor ×

HAZID browser > HAZID editor

Date: 13/04/2021 State: New

Title: Hazid Power plant

Complex/Company: Mumbai Department/Plant: CPP

Area:

Details: Team:

Revision Number: Revision Date: / /

Study Reviews

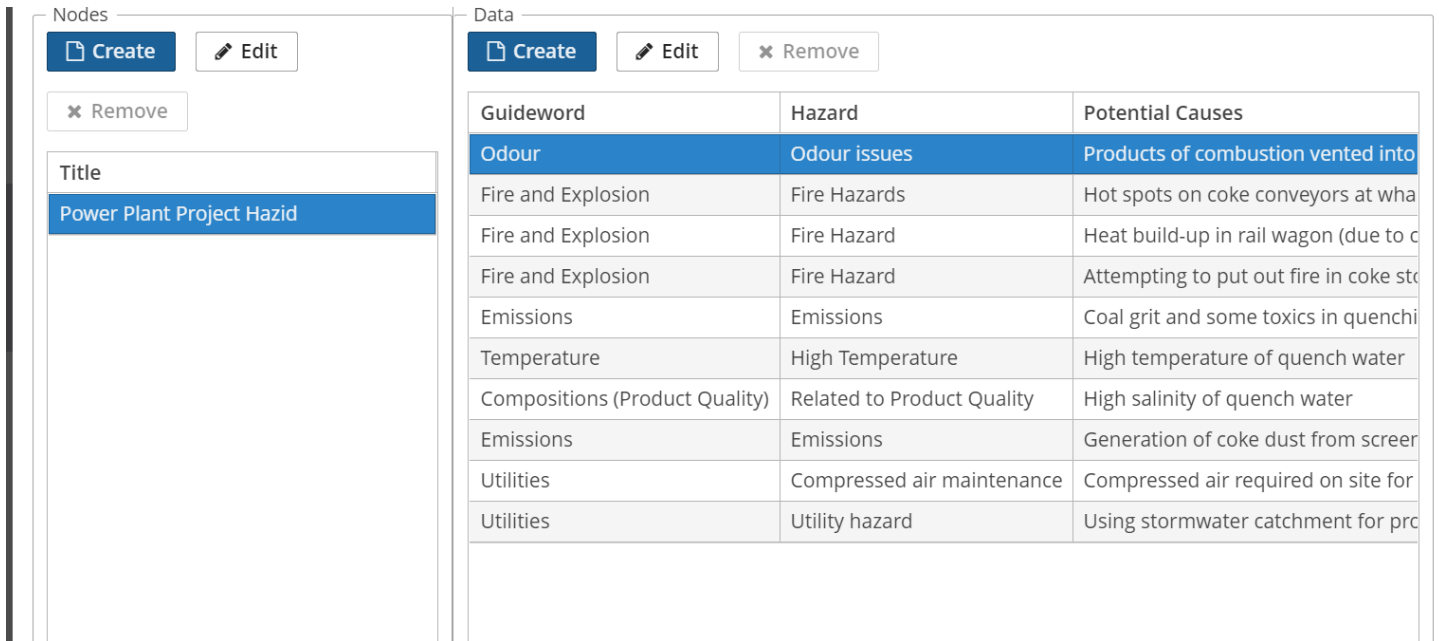
Nodes: Create Edit Remove

Title: Power Plant Project Hazid

Data: Create Edit Remove

Guideword	Hazard	Potential Causes
Odour	Odour issues	Products of combustion vented into
Fire and Explosion	Fire Hazards	Hot spots on coke conveyors at wha
Fire and Explosion	Fire Hazard	Heat build-up in rail wagon (due to c

User can add nodes and assessment of the node and review data in table given at the bottom.



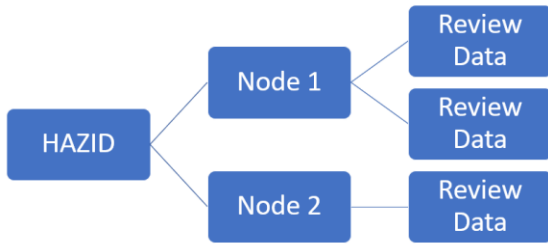
Nodes: Create Edit Remove

Title: Power Plant Project Hazid

Data: Create Edit Remove

Guideword	Hazard	Potential Causes
Odour	Odour issues	Products of combustion vented into
Fire and Explosion	Fire Hazards	Hot spots on coke conveyors at wha
Fire and Explosion	Fire Hazard	Heat build-up in rail wagon (due to c
Fire and Explosion	Fire Hazard	Attempting to put out fire in coke sto
Emissions	Emissions	Coal grit and some toxics in quenchi
Temperature	High Temperature	High temperature of quench water
Compositions (Product Quality)	Related to Product Quality	High salinity of quench water
Emissions	Emissions	Generation of coke dust from screer
Utilities	Compressed air maintenance	Compressed air required on site for
Utilities	Utility hazard	Using stormwater catchment for pro

HAZID study is divided on nodes and guidewords are applied to all nodes during study.



Add Node

Just click the create button in node tab. It will open edit screen for node input.

HAZID Node editor

Title: Power Plant Project Hazid

OK Save Cancel

Add Study Review Data

Select guideword from already populated HAZID guideword database. Taking hint from selected guideword complete study by brainstorming with team. Move to next guideword....

HAZID Data editor

Guideword: Odour Hazard: Odour issues

Potential Causes: Products of combustion vented into atmosphere from quenching operations

Potential Consequences: Nuisance odour issues in surrounding areas

Controls: Odour unit monitoring / modelling based on expected products of combustion Compliance with relevant standards / guidelines

Severity: Very high

Riskranking: 8

Probability: Unlikely

Recommendations: Confirm use of quench water odour control additive at other sites (what is it, will it be useful at this site)

OK Save Cancel

Reporting

The HAZID database can be formatted for reporting by following-

- Data can be exported to MS Excel by clicking Excel Button in top toolbar.
- Data can be sorted/filtered.
- Detailed report of a particular HAZID can be printed in MS work format by Run Report button in top toolbar.



Contact Us

admin@sheelonline.com