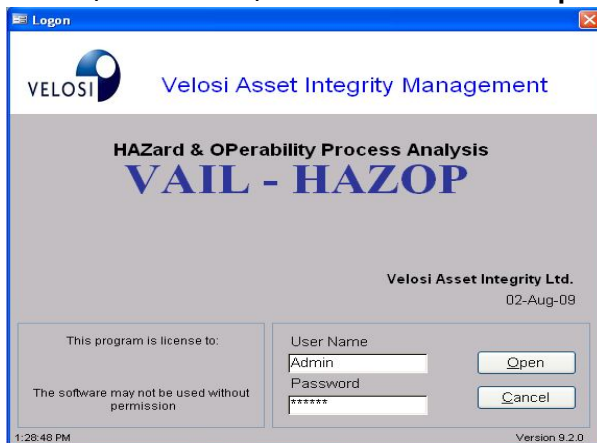


VAIL – HAZOP

→ HAZord & OPerability Analysis

For Safety & Risk Management of Process System

VAIL-HAZOP is a software product which uses facilitates to identify potential hazards for a process system. HAZOP analysis, is a structured technique to performs a systematic study of a process using guide words to discover how deviations from the design intent can occur in equipment, actions, or materials, and whether the consequences of these deviations can result in a hazard.



Logon screen view

VAIL-HAZOP allows you to quantify the possible hazards concerned to a process system such as process fluid line, cooling water line, heat exchanger tube ... etc, deviations, nodes, risk ranking of hazard, failure causes, failure consequences, safeguards, tasks & actions assignment and overall analysis

Why HAZOP?

Hazard Identification is a key phase in the safety management of a facility. Only identified hazards can be analyzed, assessed, managed, and mitigated if warranted. However, the usefulness of the hazard identification process is now expected to extend beyond the initial identification phase, for example to provide inputs to management of change, written procedures, and incident investigation.

VAIL-HAZOP FEATURES

- Windows based application, easy to use and attractive Graphical User Interface.
- Project Team & Session Recording and Dynamic Reporting with respect to project and facility.
- Study against Nodes, assignment of deviations & their risk ranking
- Identification of failure causes, consequences & safeguards
- Tasks and actions assignment along with priority ranking
- Facility to analysis the entire study
- Analysis summery generation
- Dynamic action sheet and worksheet generation.
- Strong security policy. It is password enabled to avoid unauthorized access.

For further information please contact us @

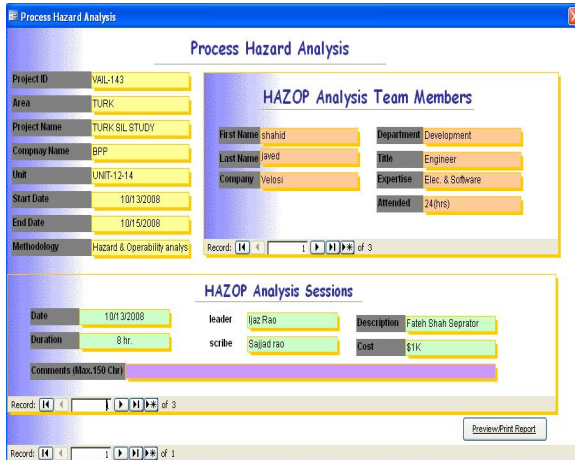
Phone: +971 2 6349 815

Fax: +971 2 6349 816

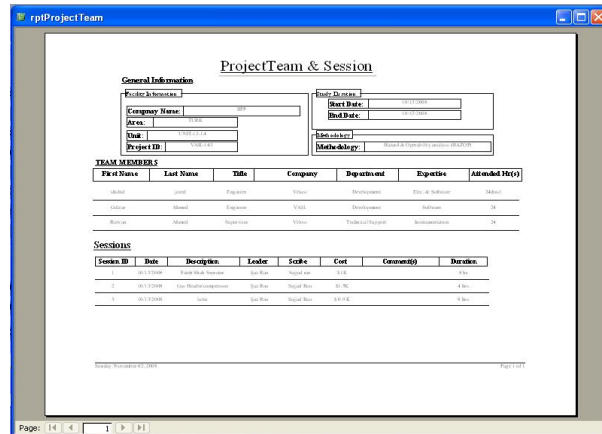
Email: vaim@vaim.ae

HAZOP ANALYSIS TEAM RECORDING

VAIL-HAZOP has a feature of recording the information about the team members involved in HAZOP analysis study, session recording and project information as well. Sessions recorded by the software can be viewed and printed dynamically applying user convenient filters. Sample of which is displayed here under:



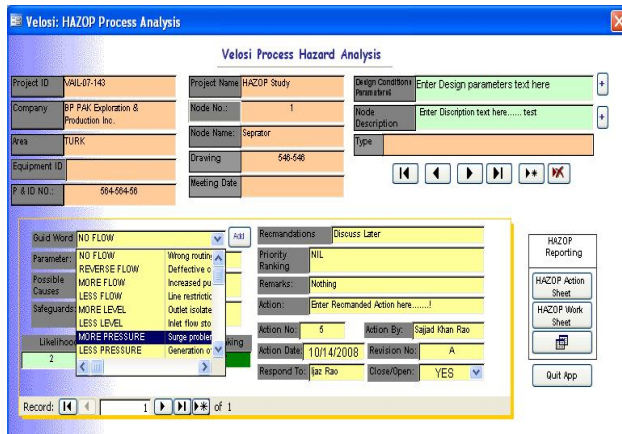
Hazop team and session recording view



Report view of team & session recording

HAZOP PROCESS ANALYSIS

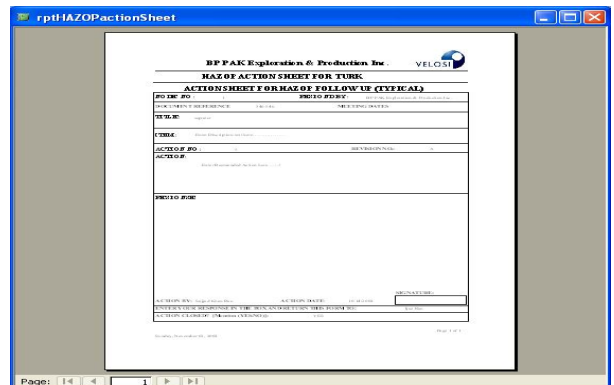
- Software is capable of recording data as per standard requirements for HAZOP Analysis.
- Multiple scenarios recording against one Node.
- List of Guidewords embedded into the software along with description and user have to select from the list.
- Automatic risk ranking against selected likelihood and consequence.



Process hazard analysis screen view

ACTION SHEET

VAIL-HAZOP has the capability to generate the action sheet dynamically by assigning the action, respond to, action description, date and time.



Action sheet report view

REFERENCES

- API – 750
- API – 14J
- API – 1150