

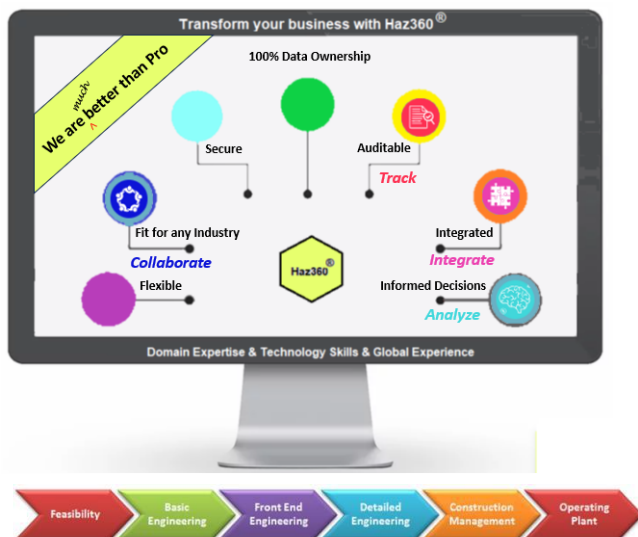


Manage Risks
Flexibly



Integrated Risk, Environmental and Safety Consultants

Haz360® is a flexible SaaS platform to **configure any worksheet register** without programmer easily enabling recording of PHA and extending the life of data from **Pre-FEED** Design stage to **Operation** life cycle.



IRES C has developed an **integrated Process Safety/Environmental Risk Management software** for recording and tracking various process safety/environmental management studies carried out throughout the **plant lifecycle** including **HAZID/What-If, ENVID, HAZOP, SIL Determination/ LOPA, Safety Requirements Specification, Alarm Management, SIMOPS, Bow-Tie Analysis, SIF Design Verification, Safety Critical Elements/ Performance Standards**. Also, the software can help track ESG, GRI or other compliance and regulation for procurement professionals.

The software has an underlying **Safety Asset Database** of all instruments, alarms, mechanical safeguards, and safety critical elements which can be taken forward to the maintenance program to better manage the process safety/ environment program.

Collaborate



Multiple Users can Work Concurrently
Easier Action Closeout Final Resolution

Track



Complete Traceability
Enhanced Compliance and MOC

Integrate



Higher Profitability
Increased Productivity and Efficiency

Analyze



Informed Decisions
Improved Visibility of Data

A cloud-based solution to manage Process Safety and Environmental Risks, that can be used by **Facility Owners, Operators, Design Engineering companies, Safety consultants** and others involved in managing or designing hazardous installations such as **offshore platforms, floaters, LNG facilities, refineries, petrochemical complexes, and storage and transport operations**.

The software is capable of **automatically transferring data** from one module to another e.g., from HAZOP to SIL Determination, HAZID to SCE List, HAZOP to Alarm Rationalization, SIL Determination to SIL Verification and more.

Benefits of Haz360®

- ✓ Continued **use throughout the plant life cycle** for periodic update, Revalidation, management of change, Revamping/expansion works.
- ✓ Support **functional safety life cycle and maintenance** of safety Instrumented systems (SIS) and Safety Critical Elements (SCE)
- ✓ Share data securely across different plants, locations, users with **teams working concurrently** and **easy Hand-off**.
- ✓ **Reduce project delays** and **errors** with a single source of knowledge.
- ✓ **Enhance Compliance** with tracking and better visibility for **informed decision** making with dashboard.
- ✓ Save software licensing costs with **affordable** SaaS prices.



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Key features of Haz360®

- ✓ Enables **collaboration** amongst all stakeholders any time anywhere concurrently.
- ✓ Any worksheet can be **customized flexibly**.
- ✓ Supporting Docs for reference can be uploaded.
- ✓ **Integrated with Alarm** Management, Bow Tie, SIL Verification in a single software.
- ✓ **Data is saved automatically** and securely with automatic back up
- ✓ Includes many **in-built automations** to ease the pre-scribing work.
- ✓ Can **import PHA data** from other tools using CSV format.
- ✓ All **changes** can be **traced** including who changed what, when

IRESC Experience using Haz360®

PROJECTS

- Hellas Naphtha Complex
- Saudi Aramco Amiral Refinery & Petrochemical Project
- Petronas Z-LNG Project
- SLNG Expansion Project**
- UTM FLNG FEED Project**
- DHAMRA LNG Terminal
- KG-D6 R Cluster
- Qatar Petrochemical Ethylene Plant Expansion Project
- Papua Downstream LNG**
- Nong Fab & Map Ta Phut LNG Terminal Revalidation
- Accelerate FSRU Project**
- Sarawak Methanol Project
- ANDRES LNG EXPANSION PROJECT
- VCM 3 Revalidation
- DHAMRA LNG Terminal
- BAPCO Refinery Expansion Project
- Chhara LNG Regasification Terminal
- HPCL Rajasthan Refinery Project**
- SHWE SHK Platform Project
- Thai Oil Clean Fuel Project**
- Ma'aden Phosphate III program - Ammonia III Project
- PMP Polypropylene (PP) Plant and Propane Dehydrogenation (PDH) Plant

CLIENTS

- Thai Oil Public Company
- CTCI
- Exxon Mobil
- Daelim
- POSCO
- Bechtel
- JGC
- Hyundai Heavy Industries
- Nayara Energy
- TOTAL
- Tata Projects Limited
- QAPCO
- PTTLNG
- Technip
- Saudi Aramco
- PPTGC
- Saipem
- Chandra Asri
- L&T Hydrocarbon
- Tecnimont
- TOYO
- Asahimas
- China Petroleum
- Samsung Engineering
- UTM
- PetroChina Halfaya
- Singapore LNG

For more information & FREE TRIAL of the software, please register at <https://www.haz360.cloud/>

If your organization is having any of the below challenges, we believe you will benefit using Haz360®

- Silo**: Illustration of three separate silos with people inside, representing lack of collaboration.
- Inefficient**: Illustration of people pushing large red blocks up a ramp, representing manual and inefficient processes.
- Manual**: Illustration of a person at a desk with a large stack of papers and a 'REDO' stamp, representing manual data entry and errors.
- Expensive**: Illustration of a person at a desk with a large stack of papers and a 'COST' tag, representing high operational costs.