



ERSG/Project/FS/002/09

**PROJECT:**  
NEAR MISS SYSTEM  
DEVELOPMENT

**OUR SERVICES COVER THE  
FOLLOWING AREAS:**

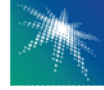
Process Hazard Analysis  
Enterprise Risk Management  
Project Management  
RUBI-Software  
Business Continuity Systems  
Process Safety Management  
Risk Training Solutions



# ARAMCO: HAWIYAH GAS PLANT NEAR MISS SYSTEM DEVELOPMENT

## Project Intro.

أرامكو السعودية  
Saudi Aramco



**INDUSTRY:** PETROCHEMICAL  
**SECTOR:** OIL & GAS

Hawiyah Gas Plant (Saudi Aramco) were concerned with the low level of incident (near miss) reporting of staff within the company. After an assessment of the current statistics ERSG were awarded a contact to **redesign the Near Miss Management System.**

ERSG identified 2 principal consultants skilled in behavioural and investigation systems to design the solution for HGP. The project plan was developed by ERSG and approved by HGP representatives.

## Project Scope

The project scope consisted of a full design and development of an effective Near Miss Management System.

The key components covered the following stages:

- Assessment of the current NM system including statistics
- A formal survey was conducted using a block sampling method of all employees to determine the reasons for the ineffective NM system
- Analysis of survey results-determine causes
- Re-development & approval of the NM Management standard
- Develop customized training course for all key role players on new NM standard
- Implementation of new standard and assessment of % change

## NEAR MISS REPORTING INCREASED SUBSTANTIALLY

## Project Results

The integrated HAZOP/SIL project resulted in the following outcomes for the company and participants:

- 1: A substantial increase in reporting of NM statistics
- 2: Increased positive attitude to NM reporting as a result of the inclusion of an effective NM reporting reward system.
- 3: Management and employee approved Near Miss procedure.
- 4: Increased awareness of NM reporting requirements for all key employees
- 5: Structured award system based on defined reward criteria

## CONTACT DETAIL

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## SOFTWARE APPLICATION

ERSG normally uses the **RUBI Incident Management Module software package** which also allows the company to capture any category of Incident and to investigate.

In this case HGP already had a software package installed and implemented.

