



ERSG/Project/FS/022/12

PROJECT:
QUALITATIVE RISK
ASSESSMENT (QRA)

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
- Environmental Management



ARAMCO: YANBU REFINERY DEPT. (YRD) QUALITATIVE RISK ASSESSMENT STUDY

Project Intro.

ارامكو السعودية
Saudi Aramco



INDUSTRY: PETROCHEMICAL
SECTOR: OIL & GAS

Yanbu Refinery Department (YRD) engaged ERSG consultants on ways to complete **Qualitative Risk Assessments (QRA)** in a more effective and efficient way whilst ensuring compliance to the **Aramco Safety Management System**. A unique method was developed by ERSG consultants to **conduct the QRA assessments in an integrated fashion**.

ERSG was awarded a contract to develop a QRA process by Yanbu Refinery Department and commenced delivery on 3 November 2011.

Project Scope

ERSG was contracted to deliver the following:

1. Conduct a QRA for ALL Units at YRD covering the full risk management processes as depicted in the risk model—Figure 1
2. Provide a 5 day QRA course for selected YRD staff
3. Deliver a fully populated database within Stature software.

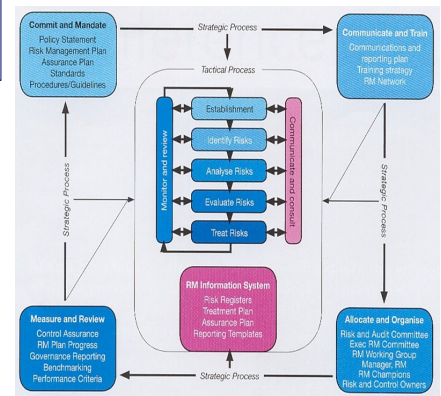


Figure 1: Risk Management Model

INTEGRATED QRA APPROACH SAVING 20—40% OVER 5 YEARS

Project Results

The QRA project resulted in the following **KEY BENEFITS** for the company and participants:

BENEFIT 1:

A documented risk management system based a life cycle approach communicated to all stakeholders

BENEFIT 2:

A qualitative risk assessment conducted for each department at YRD with all findings captured in a single database

BENEFIT 3:

A formal review / internal audit system covering mitigation management, system relevance, tracking and performance.

CONTACT DETAIL

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SOFTWARE APPLICATION

ERSG used the **Dyadem Stature Risk** software for the duration of the project. Stature is a **comprehensive enterprise risk management software solution**.

The system allows for companies to **identify, analyse, mitigate and monitor risk**. Stature enables dynamic improvements in risk mitigation and overall product quality, through company-wide visibility of risks and quality processes.

