

ABOUT US

PNA is an independent consultancy focused on providing safety, risk and reliability services and solutions covering the various phases of a project including feasibility and concept development, design, construction, installation, hook-up and commissioning, operation and decommissioning.

OUR SERVICES COVER THE FOLLOWING AREAS :

Hazardous Area Classification

Process Hazard Analysis

Asset Selection & Utilisation

Formal Safety Assessment

Quantitative Risk Assessment

Regulatory Compliance

Consequence Analysis

Hazard Identification

Business Continuity Plan

Health Risk Assessment

Process Safety Management

INTRODUCTION

Fire and explosions are the dominant hazards in many industry sectors, including offshore oil and gas. The management and control of such hazards is becoming increasingly important from human, economic, environmental and legislative view points. One important tool available for the efficient management of fire and explosion hazards is Fire and Explosion Analysis. This has formed the basis for utmost Offshore Safety Case preparations which have been carried out by UK offshore operators in recent years. It provides a structured and quantified approach towards minimising the effects of fire and explosion hazards on an offshore installation.

METHODOLOGY

PNA has built up vast expertise and experience in many areas and techniques which provide the foundation for such studies. These include the development and use of state-of-the-art computer software for both fire and explosion consequence modeling and the subsequent structural response, smoke generation and ingress analyses, installation audits and inspections, HAZOPs and the assessment of reliability of fire protection and detection system.

SERVICES

Fire and Explosion Risk Analysis can be carried out at various levels of detail, depending on the intended application and study requirements. Any particular study can be tailored to customer requirements from the main features outlined as follows:

- Identify flammable inventories and locations
- Calculate sizes and likelihood of possible fire and explosion events
- Establish consequence of fire and explosion events in terms of severity and escalation potential
- Assess the effectiveness of existing safeguards from the prevention, control and mitigation of flammable hazards
- Calculate effects of flammable hazards and hence, risk levels
- Identify main contributions to flammable risk

CONTACT DETAILS

Email : info@pnarisk.com

Website : www.pnarisk.com

Kuala Lumpur, MALAYSIA

PNA Risk Management Sdn Bhd (665518-W)

D3-1-2, Block D3

Dana-1 Commercial Centre

Jalan PJU 1A/46, 47301 Petaling Jaya

Selangor, Malaysia

Tel : +60 3 7842 6521

Fax : +60 3 7842 6499