



# QUARTIC

*advisory & engineering solutions*

**HUMAN FACTORS AND CRM TRAINING**

**OFFSHORE, DRILLING, SUBSEA**





# HUMAN FACTORS AND CRM TRAINING

The importance of Crew Resources management and Human Factors was first brought up by aviation companies worried about accidents caused by human errors. Despite all the technological advances and safety procedures that have been implemented throughout the years, controlling the occurrence of human errors in the Oil&Gas industry has proven to be a challenge.

Human error is a result of combined factors that lead to the incapacity of a team to gather the necessary information to holistically analyze a situation and propose a sound course of action. The ability to train the brain to find the right solution, regardless of the surrounding conditions, can be taught through specialized training.

Human errors are not caused by technical lack of knowledge but due to unwise decision making when people get themselves immersed in a complex or unpredictable environment, such as an Oil Platform.

The goal of this training is to prepare Oil&Gas operators to comply with the updated resolutions released by ANP (SGIP-SGSS-SGSO) and also to train the behavior and decision-making of the attendees. Quartic Advisory is one of the first companies to offer Human Factor and CRM Training to the Brazilian Oil&Gas Sector.





# HUMAN FACTORS AND CRM TRAINING



## TARGET GROUPS

- *Office engineering team*
- *Onshore/offshore operational team*
- *Management team*

*It is recommended to train a group of people that are part of the same operational team.*

## METHODOLOGY

- *Experience creation to build self understanding*
- *Open discussion environment*
- *Simulated situation immersion*
- *Team exercises*



## LOCATION

- *Onshore*
- *Offshore*
- *Company's office*
- *Dedicated training facility*

*If practical, training can be deployed at the attendees work environment to create a realistic work atmosphere.*



# HUMAN FACTORS AND CRM TRAINING

## LANGUAGES



PORTUGUESE



ENGLISH

## DURATION



Eight modules of 2h to 3h to be splitted as demand.

## INSTRUCTORS & COURSE DESIGNER



Anne Sølvesteen - Aviation Human Factor specialist - Ex-boeing 737 Captain.



Gabriel Navarro - Well Control trainer



Vincent Geyl - Drilling&Well Advisor

## OBJECTIVES

- Training professionals and teams on non-technical skills, enhancing the capability to perform well in adverse situations.
- Protect personnel from becoming overwhelmed by external factors.
- Improve team communication by making people conscious of the psychological elements involved in human interactions.
- Raise awareness of natural unconscious biases enabling logical decision making at all times.





# HUMAN FACTORS AND CRM TRAINING

## THE MODULES



**INTRODUCTION TO HF**



**SITUATIONAL AWARENESS**



**COMMUNICATION TECHNIQUES**



**DECISION MAKING**



**TEAM WORK**



**LEADERSHIP**



**PARAMETERS AFFECTING HUMAN PERFORMANCE**



**INVESTIGATION & LEARNING FROM INCIDENT**







## CONTACT US



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