Subsea Equipment RBI

Presented by

Oseghale Lucas Okohue  BEng. Msc. CIPMP

www.chesssubseaengineering.com
Course Instructor

Name: Oseghale Lucas Okohue

Position: Subsea Engineer – Production Systems | Drilling Systems Specialist

Website: www.chesssubseaengineering.com

Email: oseghaleokohue@chesssubseaengineering.com
oseghaleokohue@gmail.com

Phone: 08139340494
Outline

Lecture 1: Introduction
  - Objective
  - Subsea Equipment RBI Methodology

Lecture 2: Pipeline RBI

Lecture 3: Subsea Tree RBI

Lecture 4: Subsea Manifold RBI

Lecture 5: RBI Output and Benefits
Lecture 1: Introduction to Subsea Equipment

RBI

Presented by

Oseghale Lucas Okohue  BEngr. Msc. CIPMP

www.chesssubseaengineering.com
Introduction

- **Subsea equipment** includes wellheads, wellhead connectors, trees, manifolds, jumpers, PLETs, pipeline connectors, pipelines and risers, and umbilicals and UTA.

- This module presents the concept of a **risk-based inspection (RBI)** study for subsea systems that is designed to ensure the integrity of subsea equipment.

- As subsea operations move into ever deeper water, the costs and challenges associated with subsea systems are becoming more severe than ever.

- Therefore, it is important to develop a subsea equipment RBI that can deliver great benefits in terms of ensuring the integrity of a subsea system.
Introduction

- A **subsea equipment RBI** is a method that uses equipment criticality and failure modes as criteria for establishing the **maintenance and inspection** plan for each item of **subsea equipment**.