

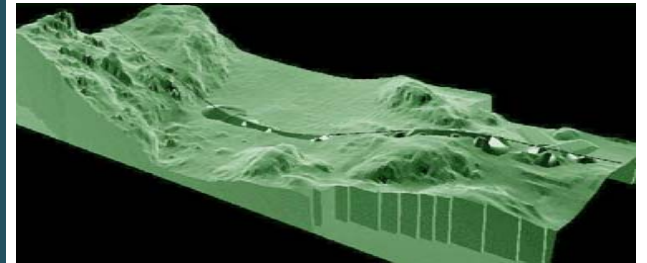
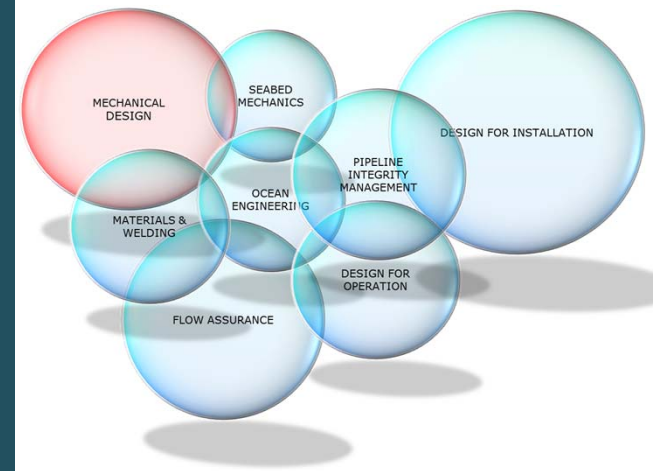


OFFSHORE PIPELINE DESIGN COURSE

A GUIDELINE THROUGHOUT INTERNATIONAL CODES,
PARTICULARLY DNV-OS-F101, 2013

Agenda

Saipem Rijeka, 15th-16th December 2015 at Saipem Rijeka (HR), 2015



AGENDA

- **15th Tuesday, 09:00**
Introduction of Design Rules
- **15th Tuesday, 14:00**
Mechanical Design of Offshore Pipelines
- **16th Wednesday, 09:00**
Specific Analyses for Advanced Applications
- **16th Wednesday, 14:00**
Design vs. Materials of Welding

AGENDA

15th Tuesday, 09:00:

Introduction of Design Rules

- **Introduction of International Design Rules**
- **DNV GL – Scope of Work and Contents**
- **Safety Philosophy and Limit State Based Design**
- **Application of Industrial Safety to Strategic Offshore Trunklines – Nord Stream**

AGENDA

15th Tuesday, 14:00:

Mechanical Design of Offshore Pipelines

- **Project Challenges, a Multi Disciplinary Design Approach**
- **Design for Installation and Operation**
- **Sizing vs Design for Operation - Segmented Pipeline System (Nord Stream)**
- **Theory and Tests on Bursting Limit State**
- **Applications to Deep Water Installation**

AGENDA

16th Wednesday, 09:00:

Specific Analyses for Advanced Applications

- **In-Place Stability and Integrity of Sealines Crossing Erodible or Loose Seabeds**
- **The Never Ending Story of Free Span Assessment**
- **Design and Over Design for In-Service Buckling**
- **The Strength of Corroded Pipes**
- **Marine Geohazard**

AGENDA

16th Wednesday, 14:00:

Design vs. Materials and Welding

- **Strain-Based Design**
- **Offshore Pipelines Material Selection**
- **Sour Service, a Review**
- **Fracture Assessment for Trunklines**