CCUS Subsurface & Wells

APES ENERGY EVOLUTION & Pecten Development Learning Solutions

Level 1: Overview – Introduction

Introduction – What is CCUS

Project Planning

CO_2 storage regulations - Overview

Business models of CCUS

Storage candidates: Depleted fields VS. Saline aquifers

What makes an investable CO_2 geological storage site

<u>Hands on training:</u>

CO_2 Storage Screening App & Estimation of Prospective Storage resources

~1 day

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Level 2: Demonstrating Feasibility

CO_2 Properties & Behaviour - *How it is modified by water and contaminants*

Storage site characterization

Project Lessons Learned

Impact of Injection: Geochemical & Geomechanical

Containment Risks:

- Well integrity assessments in legacy wells

- P&A considerations

<u>Hands on training:</u>

Containment Risks: Fault seal analysis + Well integrity game

~1 day

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Level 3: Storage Development Planning

CO_2 Injection Simulation

Well design considerations (Injectors and Monitors)

How to plan a CO_2-resistant well

Integrated Containment Risks assessments

Overview Monitoring Technique options

Monitoring & Validation Plans meeting International requirements

Hands-on training:

Storage Development Planning

~1 day

Progress Tracking

Full course administration is included in the package and can be tailored to meet specific client requirements. Weekly progress updates are provided, giving your organisation clear visibility into participation, engagement, and overall progress.

Queries

Connect with enquiries@apes-energyevolution.com