

# Solving Interpretation Problems with Insight Earth®

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**Course Number: TS-350**

## Description

This course is intended to provide geoscientists an advanced understand of the benefits of *True Volume* Interpretation and the skills necessary to apply Insight Earth in a structured workflow to interpret structure and stratigraphy in a 3D seismic volume.

## Software Covered

- Insight Earth Base™
- Insight Earth Structure™
- Insight Earth Model™
- Insight Earth Stratigraphy™

## Audience

Geoscientists familiar with seismic interpretation and new to Insight Earth

## Prerequisites

Geosciences background recommended but not required.

## Duration

3 Days

## Format:

Instructor Led - Discussion / Demonstration / Hands-on lab

## Objectives

Upon successful completion of this course students will be able to apply the tools available within Insight earth to:

- Understand and take full advantage of using a *True Volume* approach to 3D interpretation – Working and thinking in 3D.
- Efficiently navigate the intuitive user interface within Insight Earth
- Easily import and export files from/to Insight Earth
- Effectively accomplish selected interpretation goals using the workflow guide
- Efficiently condition data for structure, stratigraphy and velocity model building

- Rapidly image 3D structural models and interpret salt bodies, faults and horizons in seismic volumes
- Quickly and precisely build geometry for velocity models
- Accurately Q/C and refine structural interpretations
- Apply domain transformation concepts to generate viable prospects more quickly
- Efficiently convert a time/depth domain volume to the stratal domain
- Rapidly create 3D volume of depositional surfaces
- Realistically image, interpret and analyze stratigraphic features in the stratal domain
- Convert stratal domain interpretation back to the time/depth domain