



*Training Course:*  
*AVO, Inversion, and Attributes: Principles and*  
*Applications - AVO*

*4 - 8 April 2027*  
*Cairo (Egypt)*

## Training Course: AVO, Inversion, and Attributes: Principles and Applications - AVO

Training Course code: SC235155 From: 4 - 8 April 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

### Introduction

Welcome to the AVO, Inversion, and Attributes training program offered by Global Horizon Training Center. This comprehensive program is designed to equip participants with a deep understanding of Amplitude Versus Offset AVO analysis, inversion techniques, and attribute analysis in the field of geophysics and petroleum exploration.

### Objectives

By the end of this training program, participants will:

- Understand the fundamental principles of AVO analysis.
- Learn various inversion techniques and their applications in subsurface imaging.
- Gain proficiency in interpreting seismic attributes for reservoir characterization.
- Apply AVO, inversion, and attribute analysis to real-world geophysical data.
- Enhance their problem-solving skills in geophysical exploration projects.

### Target Audience

This program is suitable for professionals and students in the fields of geophysics, petroleum exploration, and related disciplines. It is ideal for:

- Geophysicists
- Geologists
- Petroleum Engineers
- Exploration Managers
- Researchers
- Graduate Students

### Outlines

Day 1

## Introduction to AVO Analysis

- Basics of Seismic Data
- Reflection Coefficients and Zoeppritz Equations
- AVO Principles and Interpretation
- AVO Classifications and Anomalies

## Day 2

### Inversion Techniques

- Seismic Inversion Fundamentals
- Pre-stack and Post-stack Inversion
- Inversion Methods and Algorithms
- Practical Inversion Exercises

## Day 3

### Seismic Attributes

- Introduction to Seismic Attributes
- Common Attributes and Their Interpretation
- Attribute Enhancement Techniques
- Attribute Analysis in Reservoir Characterization

## Day 4

### AVO and Inversion Applications

- AVO Analysis in Hydrocarbon Detection
- Case Studies: AVO Success Stories
- Advanced Inversion Applications
- Interpretation of Inverted Data

## Day 5

### Practical Applications and Integration

- Integration of AVO, Inversion, and Attributes
- Case Study: Comprehensive Analysis
- Challenges and Best Practices
- Certification and Closing Remarks

## Registration form on the Training Course: AVO, Inversion, and Attributes: Principles and Applications - AVO

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
Position: .....  
Telephone / Mobile: .....  
Personal E-Mail: .....  
Official E-Mail: .....

### Company Information

Company Name: .....  
Address: .....  
City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
Position: .....  
Telephone / Mobile: .....  
Personal E-Mail: .....  
Official E-Mail: .....

### Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
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### Easy Ways To Register

Telephone:  
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E-mail to us :  
info@gh4t.com  
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