



Seismic Data Acquisition Training Program

Proposed by:

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Geo Seismic Exploration Services (GeoSeS)

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Cover Letter

Dear Sir,

This training program is delivered by Geo Seismic Exploration Services (GeoSeS). GeoSeS is a seismic exploration services company established in 2024 and based in Urla, Turkey. The company provides integrated seismic data acquisition, processing, and interpretation services, including seismic work program design, on-site quality control, and professional seismic exploration training courses.

We are pleased to submit this proposal for the Seismic Exploration Technology and Data Acquisition Training Program. The program is designed for field and processing geophysicists, geoscientists, and engineers working in the oil, gas, and energy industries.

This training focuses on modern seismic data acquisition workflows, emphasizing the selection of optimum field parameters, survey design, field quality control, and recent technological advances. Since seismic data acquisition represents the first and most critical phase of seismic exploration, particular attention is given to ensuring data quality and productivity.

The program combines theory, practical examples, workshops, and software-based exercises to ensure participants gain both conceptual understanding and hands-on skills.

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Respectfully yours,

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1. Instructor Biography

1.1 Yilmaz Sakallioğlu

Yilmaz Sakallioğlu holds a B.Sc. in Geophysics from Istanbul University (1980) and an M.Sc. in Geophysics from Ankara University (1992), with research focused on vibroseis sweep techniques in different geological environments.

He has more than 45 years of experience in the seismic industry, having held senior technical and managerial positions with Turkish Petroleum, Waha Oil Company (Libya), Transatlantic Petroleum, BGP Inc. (CNPC), and Murzuq Technical Services Limited.

Mr. Sakallioğlu is the author of multiple publications and textbooks on 2D and 3D seismic data acquisition and has delivered training courses internationally. He is a member of SEG, EAGE, and the Chamber of Geophysical Engineers of Turkey.

2. Seismic Data Acquisition Course Program

The training program consists of five modular courses. Each course can be delivered independently or as part of a completely integrated training package.

Course 1: Introduction to 2D and 3D Seismic Data Acquisition (1 day)

Course 2: Modern Seismic Exploration Technology (1 day)

Course 3: Vibroseis Technology and Field Quality Control (1 day)

Course 4: 3D Seismic Survey Design and Field Parameters Optimization (1 day)

Course 5: Practical 3D Survey Design Using MESA Software (1 day)

3. Benefits of the Training Program

Participants will gain up-to-date knowledge of modern seismic acquisition technologies, including high-density recording, nodal systems, broadband acquisition, and advanced vibroseis techniques. The courses emphasize the practical relationship between acquisition parameters, data processing, and interpretation outcomes.

The program enables geoscientists to design cost-effective seismic surveys, perform effective field quality control, and better understand how acquisition decisions influence final seismic images.

4. Target Audience

- Field and processing geophysicists
- Interpretation geophysicists
- Petroleum geologists and engineers
- Seismic observers and field supervisors
- Technical managers involved in seismic exploration projects

5. Course Conditions, Fees, and Logistics

- Each training day consists of six (6) hours of instruction, including lectures, workshops, and practical exercises.
- The maximum number of participants per course is 15.
- For groups exceeding 15 participants, an additional daily fee will be applied per person.
- Payment terms: 50% payable before the start of the course, and the remaining 50% payable two days before course completion.
- The hosting company is responsible for providing training facilities, necessary equipment, instructor travel, and accommodation.