
ALAA KHODEIR

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PROFESSIONAL SUMMARY

Worked in the seismic industry for over thirty year, in many aspects of seismic data processing.

Skilled at leading and supervising seismic processing projects including evaluating, testing and applying new technologies, with a proven track record showing a history of successful projects that lead to improving the final subsurface seismic image, which is a key step for picking leads and prospects. Published many papers in both local and international conferences.

Prior to BP, worked for three major seismic processing contractors in Cairo, Houston, and London.

EXPERIENCE

BP

Senior Geophysicist | Cairo, Egypt | October 2005 - July 2019

As a Seismic Processing Lead, supervised, led, and QC many seismic processing projects both in-house and at contractor's workshops, this included tendering process, cost estimate, negotiating, testing and evaluating new technologies, designing and modifying workflows, and QC/QA results, including 2D and 3D, single and Multi-Azimuth (MAZ) surveys.

During this period many projects from different Egyptian basins (Nile Delta, Gulf of Suez and Western Desert) were successfully completed, new high-end technology was tested, and some was applied. Big improvements in the subsurface image were achieved, this was a big help for all subsurface work that was done on those volumes.

Also involved in seismic data trades, data rooms, seismic data evaluation, assessment and fitness. Participated in BP seismic worldwide processing community.

GX TECHNOLOGY

Depth Imaging Sr. Geophysicist | Houston, TX, USA | March 2004 - September 2005

As a member of Seismic Imaging group, successfully processed 3D Pre-Stack Depth Imaging projects, from the Gulf of Mexico and the North Sea.

PGS

Depth Imaging Group Leader | Houston, TX, USA | November 1997 - February 2004

Worked with the special project group to complete many offshore and onshore 2D and 3D Pre-Stack Depth Imaging projects from different basins all over the world (Gulf of Mexico, South America, etc.). Got involved in processing two Vertical Cable projects. Also involved in inventing, developing and evaluating new technology, one such example is, coming up and designing RMO autopicker for velocity model update during the time when all velocity picking packages were based on manual picking.

WESTERN-GECO

Depth Imaging Group Leader | Cairo, Egypt | May 1996 - October 1997

Processed three 3D Pre-Stack Depth Imaging projects, two offshore and one onshore. Also involved in processing data from the North Sea, using WG processing package (Omega) and other supporting software.

PGS-TENSOR

Geophysicist-Depth Imaging Supervisor | Cairo, Egypt | October 1987 - April 1996

Joined the company as Geophysicist, then Senior Geophysicist, and a few years later promoted to Group Leader, leading a small processing group working on 3D land & marine surveys. In 1994 became a Depth Imaging Supervisor leading the new Depth Imaging group.

Involved in processing many 2D and 3D projects from different regions during that period, including Egypt, Abu Dhabi, Qatar and the Gulf of Mexico.

QUALIFICATIONS

POST GRADUATE COURSES

Ain Shams University

Cairo, Egypt | September 1996 – June 1997

Post Graduate Courses partially fulfilling requirements of a master's degree in Geophysics

B.SC. IN GEOLOGY

Ain Shams University

Cairo, Egypt | September 1980 – May 1984

Active member in Society of Exploration Geophysicists (SEG), European Association Geoscientists & Engineers (EAGE), and American Association of Petroleum Geologists.