

PETRONAS IS SET TO UNLOCK MALAYSIA'S HIDDEN POTENTIAL THROUGH
ONE OF THE LARGEST FULL TENSOR GRADIOMETRY (FTG) MULTI-CLIENT PROGRAMMES

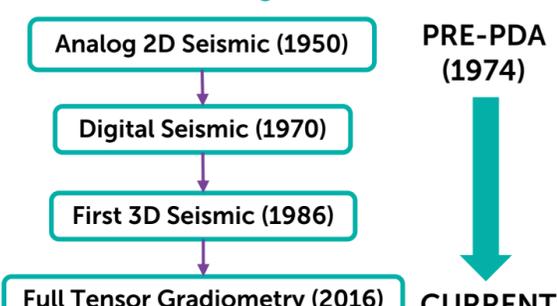


The Grand Old Lady oil rig in Miri, Sarawak (1910)

Blast from the Past

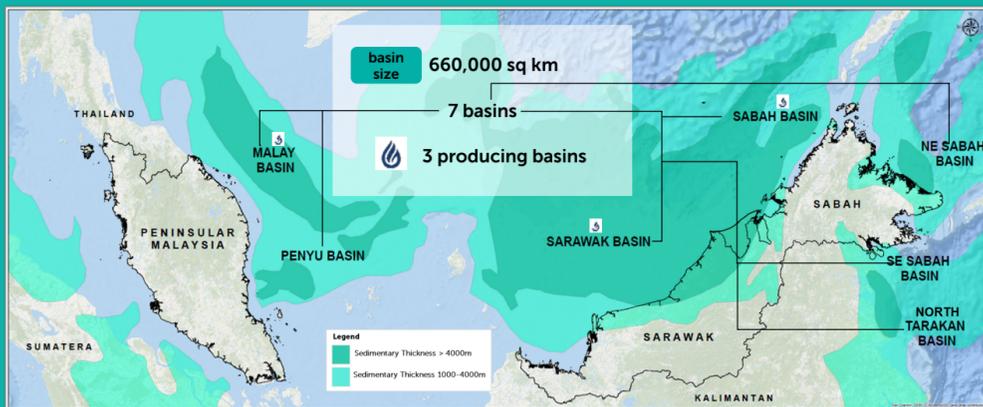
As an industry, Malaysia has a long history that goes back to the discovery of oil in the town of Miri, Sarawak in the late 1800's before focus turned to offshore in 1960's

Evolution of Data Progression



Under the stewardship of PETRONAS, the national production grew to 1,900 mboe/d which is being sustained until today thanks to clear strategy and progressive fiscal regime enabled by technology.

A Quest for Unlocking Malaysia's Hidden Potential



At ~USD1/boe, its unit finding costs is among the lowest in the world. Each year, many discoveries continue to be made both in the shallow water area plus further out into the deepwater off the coast of Sabah.

Based on 2021 study, Malaysia's sedimentary basins potentially hold **a total of 21 Bboe of Yet-to-Find** hydrocarbon spread across onshore, shallow and deepwater offshore areas.



These volumes have been identified from the existing 2D and 3D seismic data acquired via conventional methods data and reprocessed using latest technology. As more data is made available with new technology, it is widely believed that the potential of Malaysia basins would be better defined and understood whilst they derisk the exploration drilling programme.

FTG Takes Malaysia Skies: One of The Largest Single Holding FTG

In our quest of unlocking the hidden potentials in Malaysia, PETRONAS and its partners have embarked on Full Tensor Gradiometry (FTG) Multi-Client Programme in 2016.

Basler BT-67 was used to acquire, process and quality check gravity gradiometry along with scalar gravity and magnetics.

Since the commencement of the programme, over 240,000 square kilometers of fully processed and interpreted FTG data have been made available in PETRONAS' database.



Did You Know?

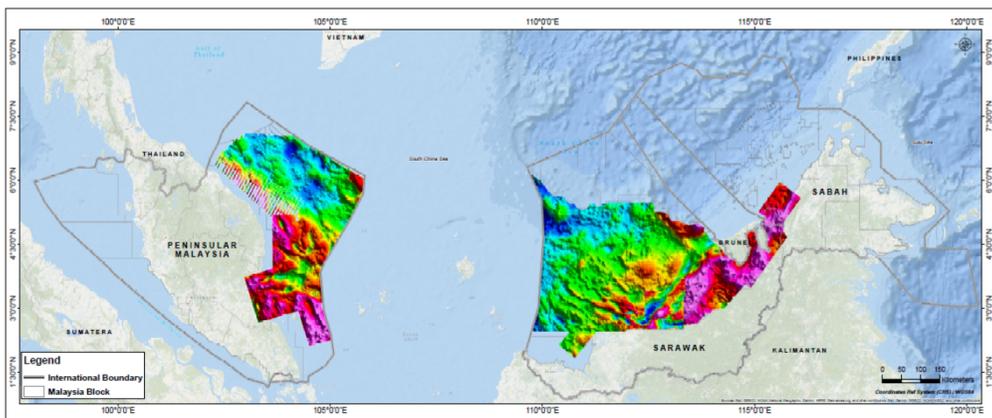
Total surveyed area = **240,000 sq km**



52 millions football fields



One of the largest FTG Multi-Client Programmes



FTG Multi-Client available dataset covering more than 240,000 sq.km. in Peninsular Malaysia & Sarawak

Advantages of FTG

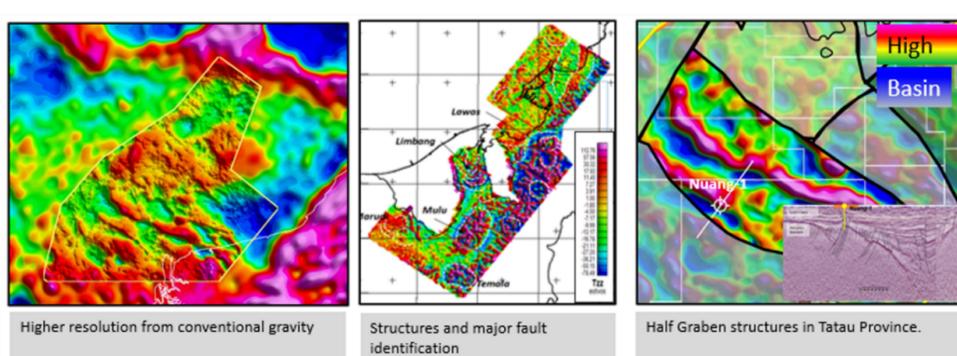


01 Provides high resolution and accurate gravity maps

02 Has the capability to map the contact between different rock densities resulting from stratigraphic and structural changes

03 The advanced FTG inversions modeling coupled with calibration of seismic and well data will enable differentiation of basement type

In essence, with the FTG datasets - hydrocarbon kitchens, migration routes, regional trapping and structural trends are now better defined, leading to effective seismic planning and prospect generation. With all the initiatives in place, PETRONAS looks forward to unlocking more petroleum potential from Malaysia's prolific basins and offering more attractive investment.



FTG helps identify a basin which leads to new Seismic Acquisition & Prospect Generation.

Interested?

Interested parties are welcomed to fund or purchase the dataset with several arrangements or packages available. Multi-Client area can be divided into 7 programmes which can be purchased individually.

Any enquiries on the multi-client arrangement, drop us a message at: <https://www.petronas.com/mpm/contact-us>