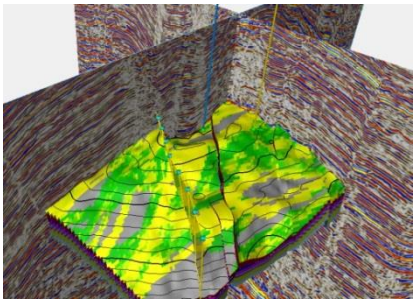
LEAP Energy

LEADING PARTNERS IN INTEGRATED E&P SOLUTIONS

www.leap-energy.com



LEAP ENERGY

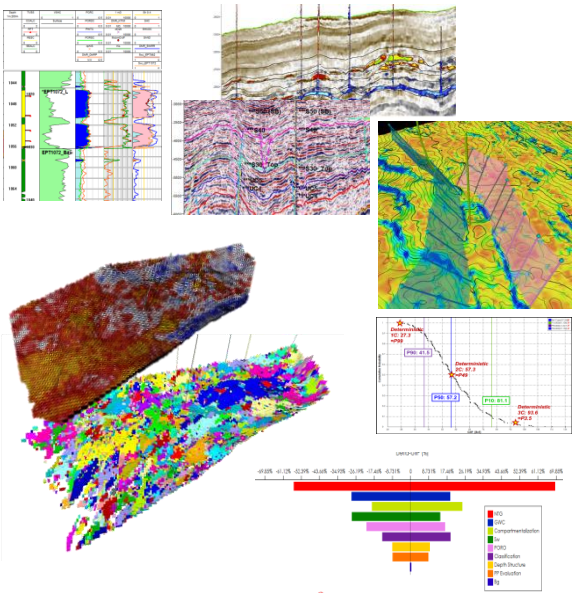
GEOLOGY and GEOPHYSICS

SERVICES

With operating offices in Kuala Lumpur, Brisbane, Perth and Bucharest, representative offices in Oman, India and Indonesia, LEAP Energy is an international subsurface consulting and technology delivery group with over sixty staff and associates. Our projects are taking us throughout South-East Asia, Australia, the Middle-East and Europe.

GEOSCIENCE

Our Geoscience Services form the centrepiece of our technical capability, endorsed by a long list of satisfied clients both in the SEA region and beyond. We provide the entire spectrum of skills needed to conduct `best in class' sub-surface studies for hydrocarbon development and production: from Quantitative Interpretation to 3D Modelling and Resource Assessment to Upscaling for Dynamic Simulation.
We have an enviable track record in executing FDPs, ADPs and Due Diligence studies for the whole range of resource types, geological plays and domains.



EXTENSIVE CAPABILITY

GEOPHYSICS

- Well-to-seismic tie, wavelet analysis, synthetic seismogram generation.
- Seismic interpretation (horizon interpretation, fault interpretation)
- Velocity Modelling and depth conversion (both in carbonate and clastic settings)
- Advanced seismic modelling and inversion (multiple seismic attribute generation and interpretation, rock physics quantitative log interpretation, Acoustic impedance inversion, AVO/AVA inversion,)
- Seismic-constrained 3D Reservoir delineation and characterization

GEOLOGY

- Geological concept definition based on comprehensive subsurface data analysis (well data, seismic data, modern analogue and engineering data)
- Reservoir characterization study (well correlation, petrophysical analysis, facies definition and mapping, fluid contact estimation)
- 3D Static reservoir modelling (structural framework building, facies modelling and petrophysical modelling)
- Deterministic and Stochastic Volumetric Calculation (using in-house developed tools)
- Uncertainty and sensitivity analysis (structural uncertainty, petrophysical uncertainty, fluid properties uncertainty)
- Resources assessment based on industry standards Petroleum Resources Management System
- Upside potential identification and well/target placement
- Customized Solutions

Experience.
Expertise.
Technology

FOR MORE INFORMATION PLEASE CONTACT US AT

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