



Paetoro Consulting UK Ltd.

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Focus

Paetoro was incorporated in London in February 2016. Its focus includes the following:

Subject	Thematic focus
Resource estimation and risking	Workflows, opportunity review, prospect evaluation, treatment of compartmentalisation and dependency.
Structural geology	Fault seal, rift geometry, fold and thrust belts, salt tectonics, fault seal, tectonostratigraphy, fractured reservoirs, structural QC;
Regional synthesis & data engineering	Big picture to prospect scale exploration & data synthesis; play analysis, ArcGIS, AI applications for geoscience, database management.
Exploration workflows	Advance in drilling and onshore geophysical exploration for geothermal and critical mineral resources, combined commercial-technical opportunity ranking, incorporation of new innovations in engineering & data science.
Onshore exploration innovation	Recognising the potential of integrating new and old techniques to rejuvenate the onshore in proven but structurally complex areas where value of information delivered by seismic is limited.
Energy transition geoscience – geothermal, critical mineral and geonuclear	Upscaling the use of geothermal energy through customer driven exploration; resource mapping and exploration workflows for critical minerals; “Geonuclear” nuclear fuel resourcing including U-Th-REE associations.

Paetoro Software

As well as MS Office suite & CorelDraw Paetoro has the following in house specialist software:

- Regional map generation & analysis: ArcGIS (commercial licence)
- Volumetrics: Crystal Ball
- Digital well log analysis: Zetalog
- Seismic: OpenDtect (DUG software can be rented annually for longer projects)
- Basin modelling: Petromod 1D Express
- Digitising: Digitizelt
- Fault seal: Paetoro has an arrangement with Fault Seal Pty utilising their software
- Selected Excel templates include: fault seal juxtaposition & SGR, probabilistic basin modelling & volumetrics, rock physics-based risking

Experience & Vision



Dr. Dave Waters

Paetoro’s director is a geoscientist with more than 30 years’ experience rooted in industry, and a particular interest in structural geology and resource assessment. Dave’s first degree in his native NZ majored in geology and maths and led to a PhD at Cambridge (UK) on the tectonics of NW Greece. Dave has have worked around the globe assessing hundreds of opportunities and is familiar with over 30 specialist geoscience packages, including major geomodelling, seismic, and GIS packages. Paetoro is based in NE London and is currently focussed on geothermal, critical mineral, and geonuclear exploration aspects of the energy

transition.

Dave - past employers: RTZ (Rio Tinto), Enterprise, Shell, RWE, E.ON. Endeavour, Idemitsu.

Paetoro - selected past clients: Getech, GeoLogica, Ardent, Adrok, Delonex amongst others.

An energy transition

An energy transition is under way and society’s view of energy provision is in flux. Many alternative options for energy exist, yet virtually all require subsurface resources. Integrating new technologies and workflows to maximise their efficient use with all subsurface resources, particularly onshore – is a key interest of Paetoro. Optimising routes for decarbonisation is urgent and cannot be achieved without expert subsurface analysis.

