



## Summary of recent projects completed

Consultant: Alan Atkinson

### Significant depth conversion projects executed (3-9 weeks duration)

- UK Southern North Sea gas development, sub-salt
  - Rapid turn-around to meet field development Gate review deadline
  - Best technical volumes increased, enhancing value of company's major asset
- On-shore Poland sub-salt exploration
  - Deciphered an intractable statics problem and made recommendations to solve it
- UK Southern North Sea sub-salt exploration
  - Analysed tomography model showing that it was suitable for depth conversion to top salt
  - Proposed a ray-tracing illumination study and used results to devise novel salt velocity correction
- UK Central North Sea salt diapir flank mapping
  - Identified imaging as a problem and created a unique lateral migration solution

### Depth conversion sensitivity/uncertainty projects executed (4-12 weeks duration)

- UK Southern North Sea gas development, volumetric sensitivity
  - Quantified impact on volumes of uncertainty in time imaging, time interpretation, velocity models (functions, maps) and structural modelling (layering, well tying)
- On-shore Algeria structural evaluation & uncertainty study
  - Quantified structural uncertainty in depth arising from statics, time picks and velocity model

### Other projects

- Commissioned by BG Group Plc to write corporate depth conversion guidelines

For more information on Depth Conversion Services provided by AA Geophysical Ltd, please contact:

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