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Gerard McNeill

Education	1985 – 1989	University of Adelaide	Adelaide, South Australia
	Bachelor of Science (honors level)		
	<ul style="list-style-type: none">▪ Majoring in geophysics▪ Thesis : The Application of the Monte Carlo Technique of Simulated Annealing to solve the Residual Statics Estimation problem in Seismic data processing		
	1993 – 1995	University of Adelaide	Adelaide, South Australia
	Master of Science		
	<ul style="list-style-type: none">▪ Majoring in geophysics▪ Thesis : Removal of EM Coupling from Frequency Domain IP data using an Inversion Technique based on the Controlled Random Search Procedure		
Professional experience	1990 – 1992	Zonge Engineering	Adelaide, South Australia
	Field Geophysicist		
	<ul style="list-style-type: none">▪ Managing field crews of three to five people▪ Logistics planning and client liaison▪ Responsible for data quality and infield data processing▪ Working in Australia, Papua New Guinea, Mexico and the United States		
	1993 – 1996	Zonge Engineering	Adelaide, South Australia
	Data Processor/Programmer		
	<ul style="list-style-type: none">▪ Working part time while completing Masters degree▪ Data processing and modeling – using Zonge processing and modeling software, Geosoft software, GS Scriptor, Surfer (6.04) and Mathcad (3.0)▪ Software development - programming in Lahey Fortran and Visual Basic		
	1996 – 2001	Zonge Engineering	Adelaide, South Australia
	Geophysicist		
	<ul style="list-style-type: none">▪ Managing field crews and logistics planning▪ Processing, data modeling and interpretation▪ Compiling reports and final data presentation▪ Commissioning new equipment and training clients in its operation▪ Training clients in use of Zonge processing suite and data quality checks▪ Working in Indonesia, Singapore, Laos, India, Fiji and Papua New Guinea		

2001 – 2003 GPX Services Perth, Western Australia

Geophysicist / MIMDAS Operations Manager

- Organising and running MIM's MIMDAS Geophysical acquisition system for GPX Services.
- Processing and Modeling of MIMDAS IP and MT data
- Training GPX and MIM Personnel in the operation of the MIMDAS acquisition System
- Working throughout Australia and China during this period.

2003 – 2006 GPX Services Perth, Western Australia

Senior Geophysicist

- Data QC, processing and modeling.
- Supervising crews and training GPX Personnel in the Acquisition of Geophysical data.
- Data QC and processor on the Hoistem airborne system.
- Processing Software: OASIS Montaj, Chris DBF, Newmont's Hoistem processing suite and Maxwell.
- Working throughout Australia, Africa and Fiji during this period.

2006 – Present Austhai Geophysical Consultants Bangkok, Thailand

Managing Director / Consulting Geophysicist

- Working with various companies, supervising crews and training Personnel in the Acquisition of Geophysical data.
- 2D/3D Modeling and high end processing of Magnetic, Gravity, EM, IP, CSAMT and MT data for various clients.
- Processing and Modeling Software used: Potent, OASIS Montaj, EMIT's Maxwell, UBC's DCIP3D, Zonge's TS2DIP/SCS2D and EMFLOW.
- Software development, using Visual Basic and C++, for various clients.
- Working throughout Africa, North Asia, Southeast Asia and Asia Pacific

Presentations
and publications

1989 - ASEG Student night presentation on honors thesis. Adelaide, South Australia.

1993 - International Congress on Modeling and Simulation. Perth, Western Australia.

1994 - The John S. Sumner Memorial International Workshop on Induced Polarization (IP) in Mining and the Environment. Tucson, Arizona, USA.

2003 – ASEG 16th geophysical Conference and Exhibition. Adelaide, South Australia. (Two presentations on the MIMDAS System)

Languages

Basic Thai, Pidgin, Indonesian and Malay

Certifications

- Senior First Aid certificate
- Australian Driver's license: 5032888
- Thai Driver's license: 510086625
- PADI – Open Water Diver
- Student Pilot License – Light aircraft