

CURRICULUM VITAE (CV)

Name of Staff: Desmond FitzGerald

Name of Firm: Desmond FitzGerald & Associates Pty. Ltd. (now trading as Intrepid Geophysics)

Position: Technical/Professional Staff; Managing Director

Profession: Mining/Geo Technical Engineer

Date of Birth: 25 August 1948

Years with Firm/Entity: 26 years Nationality: Australian

Membership in Professional Societies: Australasian Institute of Mining and Metallurgy (AIMM) Fellow;

Australian Industry of Petroleum (AIP), Member; Mineral Industry Consultants Association (MICA),

Member; Society of Exploration Geophysics (SEG), Member.

Key Qualifications:

From 1978 to present, as Managing Director of Desmond FitzGerald & Associates Pty. Ltd., an independent mining consultancy specializes in the use of computer methods in mining and geophysics, his major projects include:

✍ Engineering design studies for the Melbourne Underground Rail Loop – MELBOURNE, AUSTRALIA.

✍ Development of ore reserves systems for ZC Mines and Woodlawn Mines.

✍ Support of Renison Mines geological software.

✍ Geological and mining reserve modelling and statements for Macqualie Resources – Benambra Cu-Zn project.

✍ Re-treatment of tailings dam evaluations for Denhurst Ltd.

✍ Development of *Intrepid* geophysical processing system in partnership with the Australian Geological Survey Organisation (AGSO) – CANBERRA, AUSTRALIA.

✍ Compilation of regional geophysical maps for NW shelf, Southern Margins of Australia.

Education:

✍ PhD, Mining Engineering, University of Melbourne, Australia 1977.

✍ B.Sc. Honours, Mining Engineering, University of Melbourne, Australia 1969.

Employment Record:

- 2000 – present** *Director – Spatial Vision*
A GIS solutions and services company that specialises in ArcView and Government business.
- 1998 – present** *Director – RMIT Innovations Ltd*
Commercialization of innovations both from within the University and in partnership with industry.
- 1996 – present** *Chairman - GeoJAG*
Joint Action Group for export of Australian Geoscience capability. Members include AGSO, OPCV, Kevron.
- 1994 – 1999** Director – ISS Pacific Pty Ltd
Startup of Integrated Seismic Systems Pacific in joint venture with ISSI of South Africa.
- 1992 – 1996** Intrepid Development Project Object Oriented C++.
- 1989 – 1991** DFA were heavily involved with Macquarie Resources bankable study of the Benambra Deposit.
- 1988 – 2002** Chairman - Mindata Pty Ltd
Current Projects include:
? ? World Bank funded Water Monitoring for the State of Rajasthan
? ? Japanese Aid funded Seismic Monitoring for the Philippines
- 1986 – 1988** Managing Director - Mindata Pty Ltd
A specialised Research and Development Company for the mining industry. Manufacturers of HI stress cells and a variety of data loggers and sensors.
- 1980 – 1989** Ore Reserve computerisation at Woodlawn Mines.
- 1979 – 1983** Rock Mechanics modelling of underground mining operations at ZC Mines & Zinc Corporation, Broken Hill.
- 1978 – present** *Managing Director - Desmond FitzGerald & Associates Pty Ltd*
Consulting to underground metal mining projects.
- 1975 – 1977** Research Fellow - Melbourne University Mining Department
Working on mine modelling and the mechanics of back fill. Melbourne Underground Rail Loop Consultancy on Museum Station construction.

Languages:

1. English – Excellent in speaking, reading and writing.
2. French – Fair in speaking and reading, poor in speaking.