



### YEARS EXPERIENCE

- ▷ 25+

### QUALIFICATIONS

- ▷ Masters Degree – Geophysics
- ▷ Cert IV - Training and Assessment (TAE)
- ▷ Senior First Aid
- ▷ NSW WorkCover Construction Induction (White Card)

### PROFILE

Mads graduated from The University of Aarhus (Denmark) in 2001 with a Master's Degree in Geophysics. During his studies he worked as an EM crew leader in numerous natural resource exploration programs. Mads' thesis investigated some of the issues related to near-surface resistivity variations for various TEM transmitter-receiver configurations which involved extensive 3D TEM data modelling and inversion. His work would later be used in the design phase of the SkyTEM airborne EM system.

Shortly after submitting his thesis, Mads relocated to Australia where he joined Alpha Geoscience as a Project Geophysicist. The role involved managing field operations and took him to locations throughout Australia. The key projects were TEM, GPR, MAG and resistivity surveys for the exploration, environmental and engineering industries. He was also responsible for implementing an ATV geophysical acquisition platform for use with magnetometers and frequency domain EM instruments. Mads was promoted to Senior Geophysicist and later General Manager which saw him supervise and mentor an office of 7 geophysicists.

In early 2008 he left Alpha Geoscience to start up the Australian office of MALA GPR which focuses on the high-level application of geophysical technology and sale of GPR instruments.

Under his supervision the company have undertaken hundreds of small- and large-scale surveys using mag, time- and frequency domain magnetics and ERT. In addition, the experimental application of GPR in diverse environments such as 3D mapping of dam canals, 3D mapping of rail tunnels, underwater use of GPR and Helicopter mounted GPR for arctic regions.

### PROFESSIONAL PROJECT EXPERIENCE

- ▷ Large scale environmental survey; Richmond RAAF base
- ▷ Large scale subsurface engineering & utility survey; Energised Alliance, Sydney
- ▷ Detection and mapping of burial pits; Orica, Botany Bay
- ▷ Delineation and mapping of landfill leakage; Maroubra tip site
- ▷ Depth delineation and internal structural mapping of Bathurst land fill for gas extraction project
- ▷ Delineation and depth evaluation of demolition spoil; Holesworthy Army Barracks
- ▷ UXO detection; Holesworthy Barracks bombing range
- ▷ Large scale UXO clearance; Evans Head
- ▷ Numerous other smaller geotech / environmental survey.
- ▷ 3D Mapping of rail tunnels, Melbourne Metro.
- ▷ 3D Mapping of unknown graves, Broome Cemetery.
- ▷ Additional relevant project experience available upon request.