

# 3D joint inversion of geophysical data

TechnoImaging's unique suite of joint inversion methods increases confidence in the final models by combining the best of different survey techniques.

- **Conventional Joint Inversion**

EM surveys:

- Time and frequency domain AEM
- CSEM and MT

Potential Fields:

- Gravity and gravity gradiometry
- Magnetic and magnetic gradiometry

- **Gramian Constrained Joint Inversion**

Constraints realize effective and practical interpretation of different physical parameters of a geological model.

*Density, conductivity, and magnetic properties are considered simultaneously*

## Case Study: Bookpurnong Salinity Mapping

Data courtesy of CSIRO

