



NORWAY
Europe



Mineral Exploration Case Study

Ground calibration of airborne geophysical survey

In 2010, Arrow Geophysics carried out a ground calibration survey near Stavanger in Norway. Ground magnetic and natural gamma-ray measurements were recorded in partial fulfilment of the contractual obligations of an airborne geophysical survey commissioned by the Geological Survey of Norway (NGU).

Using a Geometrics G-856 magnetometer and a Radiation Solutions RS-230 spectrometer, readings were collected at a nominal station spacing of 50m along three parallel lines, spaced 50m apart and each of length 1,250m.



Magnetic survey



Natural gamma-ray (radiometric) survey

Survey challenges included steep terrain, intermittent tree cover, magnetometer interference from a nearby microwave tower, and low radiometric counts over areas of natural pasture.

Field measurements were nevertheless obtained that enabled the airborne component of the survey to proceed without hindrance.

Arrow Geophysics combines world-class technical expertise with real-world field experience to provide pragmatic geophysical solutions to mineral exploration professionals across Africa, Europe and the Middle East.

If you would like to discuss a project similar to this case study, or to enquire about the technical and commercial benefits of geophysics for your current exploration programme, then please do not hesitate to contact us.

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