

An introduction to risk reduction using controlled source electro-magnetics

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Modern CSEM or controlled source electro-magnetic techniques have been used extensively in Africa, South America, Europe, the Far East and North America over the last few years to help reduce exploration and drilling risk for deep water offshore prospects. However, few projects have taken place in the Black Sea or Caspian sea, so the method is relatively new in this region. This talk outlines the basic geophysical principles behind the technique, shows how the method works and what equipment is used, outlines its current limitations and effectiveness and describes two case studies over specific drilling target prospects.