

# Offshore and Onshore Geophysical Surveys Lebanon Coastline

EDESSA was retained by the Tractebel Ingegneria (TI) - a division of the Suez Group acting on behalf of the Lebanese Ministry of Energy and Water (MEW) in order to conduct offshore and onshore surveys related to the proposed gas pipeline linking the coastal power plants of Lebanon.

The marine works included desks studies and bathymetric surveys (single beam for the shallow shore approaches and multibeam for the open sea surveys) to investigated along a number of possible alignments.

The shore approach survey covered 140 km of surveyed lines was conducted using a single beam echo sounder extending close to the shoreline as possible at about 3m water depth areas. The multibeam echosounding survey was conducted using a Reson 8160 equipment installed on a 48m barge. A total of 640km were covered by survey reaching depths of about 1,600m.

The project also involved a preliminary environmental assessment outlining the potential impacts from the construction and operational developments on the marine ecological environment. The preliminary environmental assessment was undertaken in the context of Safety issues with a focus on Health aspects related to personnel involved in the construction and operation phases of the pipeline.

