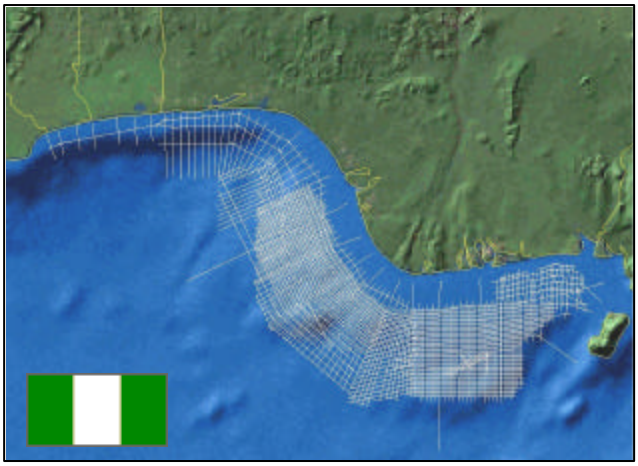
MABON OFFSHORE NIGERIA

Gravity, Magnetics and Bathymetry Data Merge

Project Description

FUGRO-LCT in partnership with MABON LIMITED, have conducted a data merge of gravity, magnetics and bathymetric data offshore Nigeria.The 41,977 km data merge project is described below:



Processing Data Flow

- Loading line gravity, magnetic and bathymetry data from surveys AR2, AR3, AR4 and AR5A into LCT DATAPRO™ database.
- Performed systematic leveling process to free-air gravity, bathymetry and magnetic data.
- Grid bathymetry from combined database using minimum curvature gridding.
- Calculated the Bouguer correction with free-air gravity to create Bouguer gravity.
- Combined the Bouguer correction with free-air gravity to create Bouguer gravity.
- Performed systematic leveling process to Bouguer gravity.

Cost

Data Delivery Schedule

Final products delivered by November 12, 2001.

Deliverables

The project deliverables for each data license include:

- Digital line and grid data in ASCII format on 8mm tape or CD.
- Maps of free-air gravity, Bouguer gravity, bathymetry and Total Magnetic Intensity.

LCT will also provide a value-added integrated model package. This package will be comprised of up to four 2D gravity/magnetic/seismic/well data models, totaling approximately 500-1,000 line kms.

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