

AFRICA OIL+GAS REPORT · SUBSEA

TotalEnergies Pushes Offshore Liberia Exploration Forward with Major 3D Seismic Campaign

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TotalEnergies is advancing its offshore Liberia exploration programme, with Norwegian geoscience company TGS Geophysical having completed more than 50% of the reprocessing of the entire 6,167 square kilometres of three-dimensional seismic data acquired over the acreage. The scale of the dataset and the pace of reprocessing signal a meaningful step forward in TotalEnergies' effort to derisk the Liberian offshore frontier before committing to further exploration expenditure.

The seismic reprocessing effort is being conducted alongside seabed sampling operations, which together form a standard but critical pre-drill workflow. Seabed sampling provides geochemical and geological data that complements the subsurface image generated by 3D seismic, helping operators assess hydrocarbon indicators at or near the seafloor. The combination of large-scale seismic reprocessing and active seabed sampling suggests TotalEnergies is conducting a thorough technical evaluation rather than a passive data review.

Liberia's offshore basin has historically attracted interest from international majors due to its geological similarities to productive West African transform margin plays. However, the frontier nature of the acreage means that comprehensive data acquisition and reprocessing are prerequisites before any drilling decision can be responsibly made. TotalEnergies' current activity level indicates the company is investing seriously in building the subsurface confidence needed for that next step.

For the broader West African offshore service market, the Liberia campaign is a data point worth tracking. Frontier basins require patient, phased investment — seismic first, sampling second, drilling third — and TotalEnergies appears to be following that discipline. The involvement of TGS, a Norwegian-headquartered company with deep expertise in multi-client and proprietary seismic data management, underlines the continued relevance of Norwegian technical players at the early stages of African offshore exploration cycles.

Should the seismic reprocessing and seabed sampling yield positive indications, a well commitment could follow in subsequent years, at which point demand for drilling, subsea, and well services capability in the region would accelerate. Liberia's offshore infrastructure remains limited, meaning any future development scenario would require substantial marine logistics and subsea engineering support from day one.

Why this matters to partners and clients of Saga

Norwegian service companies should monitor this programme closely, as TGS's active role in the seismic reprocessing confirms that Norwegian geoscience expertise is already embedded in the value chain. If TotalEnergies reaches a positive pre-drill decision, the lack of existing offshore infrastructure in Liberia creates early entry opportunities for subsea, FPSO, and marine services providers. Partners should begin relationship-building with TotalEnergies' Liberia team now rather than waiting for a formal tender process.

PARTNER ANGLES

- **Subsea:** Liberia's undeveloped offshore infrastructure means any future well programme will require full subsea engineering scope from umbilicals to manifolds — position early.
- **Drilling:** A positive pre-drill outcome from seismic reprocessing and seabed sampling could trigger a well commitment, creating a rig demand opportunity in a frontier market with few incumbents.

- **FPSO:** The absence of existing production infrastructure offshore Liberia means FPSO solutions would likely be the default development concept should a commercial discovery be confirmed.
- **Service:** TGS's existing role demonstrates Norwegian geoscience companies can secure work at the earliest exploration phase — other service firms should assess whether complementary data or interpretation services can be offered to TotalEnergies now.

[Original source: Africa Oil+Gas Report →](#)

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