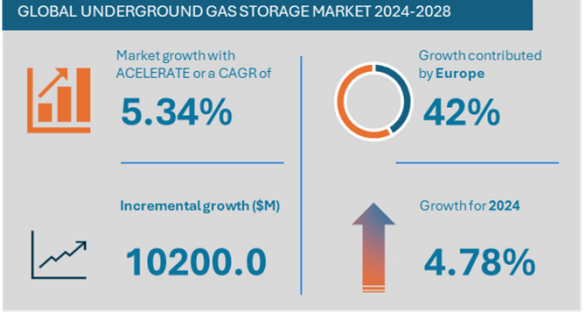


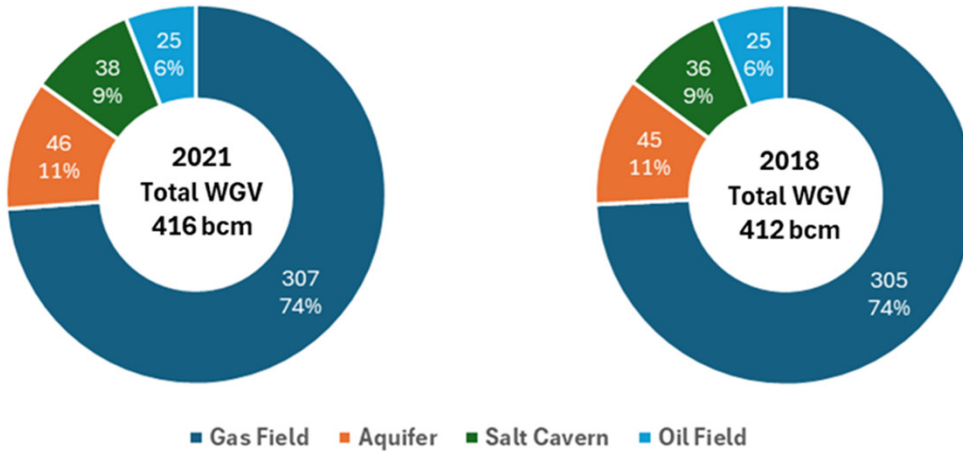
# Subsurface Energy Storage Certifications



**Subsurface Energy Storage (SES)** encompasses the storage of gas, oil, and other energy transition energy sources such as hydrogen or energy carriers like ammonia. SES offers several benefits including large storage capacity available in subsurface formations, energy security as part of national inventories, long duration for seasonal management, and integration of renewables (solar, wind) to balance grid fluctuations.



Source: Technavio, 2025








Source: International Gas Union (IGU) database, 2025

**Subsurface Energy Storage Reservoirs** are depleted gas and oil reservoirs, aquifers, and salt cavern reservoirs. Each type of storage reservoir has unique characteristics that determine its technical and economic suitability with gas representing more than 70% of the total storage sites in 2021 due to the abundance of natural gas and the expansion of gas use for electricity.

For the past 75 years, **Miller and Lents** has conducted geological, engineering and economic assessments of oil and gas reservoirs. Over this time, the team has accumulated extensive relevant gas and oil storage expertise for production and injection into a wide variety of reservoirs across the world. **Miller and Lents can** help companies with:

- Storage Geological-Petrophysical Evaluation
- Storage Containment and Trapping
- Storage Performance and Engineering Analysis
- Reservoir Simulation and Material Balance
- Regulatory Filing
- Inventory Verification
- MMV Planning
- Economic Optimization
- Reporting Storage Resources

-  **RESERVOIR ENGINEERING**  
Reserves estimation, reservoir modeling, recovery project design, analyses, evaluations, studies, and direct engineering and technical support.
-  **ECONOMIC ANALYSIS**  
Oil and gas economic projections and forecasts, financing studies, fair market value estimates, and bid and purchase evaluations.
-  **GEOLOGICAL AND GEOPHYSICAL**  
2D and 3D seismic studies, reserves volume estimates, geological studies, analyses, and assessments.
-  **PETROPHYSICAL**  
Log and core analyses studies.
-  **GAS PROCESSING AND ENGINEERING**  
Gas plant studies, technical and economic audits, plant startup and operations assistance, simulations, engineering and pipeline studies, and product purchasing and marketing assistance.



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