



Horizons of Libya's Oil and Gas Production

Libya's oil and gas industry is a cornerstone of its economy. It holds vast reserves and has a rich history of production, facing challenges and opportunities along the way. This presentation will explore the current landscape, key projects, and future outlook for Libya's oil and gas industry.

by Anwar Aghil
NOC OIL Production Manager





Agenda

- Libya Geological Basins
- Oil and Gas Facilities and Pipelines network
- Oil Production History from 1961 to 2024
- Our Partners from Local and International Services Companies
- Mega Oil Projects in Libya
- Plan 2025 by Drilling, Workover, EPF, Shut-In Wells, and Projects Flared Gas Projects
- Growth Oil Gas Sector
- Conclusion



Libya Geological Basins

Sirte Basin

The Sirte Basin is one of the most prolific oil-producing regions in Libya. It holds extensive reserves of oil and natural gas.

Korfa Basin

Al Kufrah Basin is located in south eastern Libya, it is the third largest Libyan sedimentary basin, reaching about 400,000 Sq. km .

Ghadames Basin

The Ghadames Basin is located in south western Libya. It is known for its natural gas reserves.

Cyrinica Basin

. this region has been a site of extensive oil and gas exploration, contributing significantly to Libya's hydrocarbon production.

Murzuk Basin

The Murzuk Basin is another major oil-producing region in Libya. It is home to several large oil fields, including the El Sharara field.

Tripolitania Basin

It is characterized by the El Bouri oil field. This is the largest giant oil field discovered (1976) in the Mediterranean Sea. As well as promising gas reserves in this basin.



Oil and Gas Facilities and Pipelines Maps

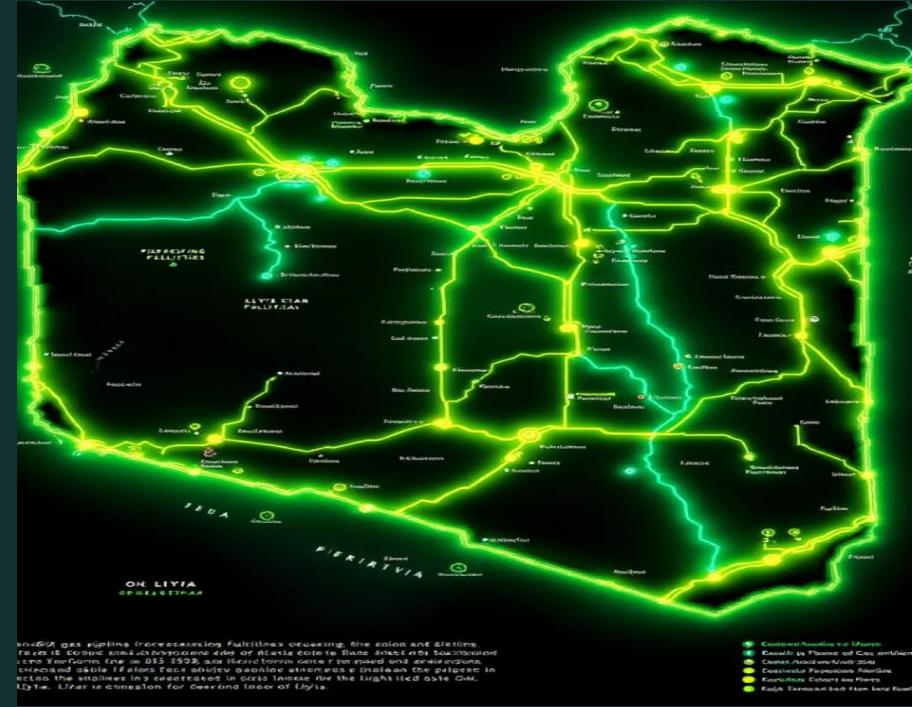


Production Facilities

Libya has a network of oil and gas fields, refineries, processing plants and storage facilities for crude oil and natural gas.

Export Terminals

Export oil and gas to international markets.



Pipelines

A vast network of pipelines spans the country, transporting oil and gas from production sites to export terminals and refineries.



Oil Production History from 1961 to 2024

1

Early Years (1961-1969s)

Libya's oil production began in the early 1961s and witnessed a period of rapid growth, with significant discoveries and development of major oil fields.

2

Peak Production (1970s-1999s)

Libya's oil production reached its peak , solidifying its position as a major oil exporter.

3

Recent Years (2000s-2024)

Recent years have seen fluctuations in production due to some instability and infrastructure Challenges and opportunities of new projects.





Our Partners from Local and International Services Companies

1 International services companies

Global expertise in exploration and production.

3 Owned and JV Companies

Exploration, production, and refining
Collaborate on projects and share resources.

2 Local Service Providers

Supporting infrastructure and operations.





Mega Oil Projects in Libya

1

El Sharara Field

The El Sharara field is one of the largest oil fields in Africa. It is located in the Murzuk Basin.

2

Waha Oil Company

The Waha Oil Company operates several major oil fields in Libya, including the Gialo field, NC98 and 6J.

3

Mellitah Oil and Gas Project

The Mellitah Oil and Gas Project is a joint venture between NOC and Eni. It produces oil and gas from the offshore fields.

4

Pipeline replacement & maintenance Project.

it is aimed at enhancing the efficiency and safety of the oil transport infrastructure. This project involves replacing aging pipelines and conducting regular maintenance to mitigate leaks and operational disruptions





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Plan 2025 by Drilling, Workover, EPF, Shut-In Wells, and Projects of Libya

1

Drilling New Wells

Plan 2025 includes ambitious drilling programs to tap into new reserves and increase production.

2

Workover Operations

Existing wells will be revitalized through workover operations to enhance production and extend their lifespan.

3

Oil Production Optimization

EOR techniques are being implemented to extract more oil from mature fields.

4

Shut-In Wells

A focus on optimizing existing wells and production facilities will involve strategically shutting in some wells.





Flared Gas Projects

Challenges

Libya's oil production often results in significant gas flaring, which is an inefficient and environmentally detrimental practice.

Solutions

The country is developing projects to capture and utilize associated gas, reducing flaring and promoting cleaner energy production.

Benefits

Gas capture and utilization projects offer economic benefits, including the production of electricity and other valuable products.





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Growth Oil and Gas Sector

Increased Production

As Libyan NOC's strategic goal, oil production is growing up in the coming years, fueled by an action plan for all subsidiaries.

Foreign Investment

The foreign investment is crucial for supporting the growth of Libya's oil and gas sector.

Infrastructure Development

Restoring and upgrading infrastructure is essential for improving & optimizing the production and transportation of oil and gas.

Technological Advancements

Utilizing the latest technologies & work smart (digital transformation) will enhance efficiency and sustainability in Libya's oil and gas operations.



Conclusion



- In conclusion, the National Oil Corporation of Libya has presented an ambitious plan to enhance the production of oil and gas, minimize gas flaring, and improve transparency in financial reports. Despite previous difficulties and political instability, recent advancements indicate a more secure and promising future for Libya's energy sector.
- The forthcoming oil and gas licensing round in 2024, coupled with the dedication of multinational corporations to invest in Libya, indicate positive prospects for the country's energy industry. As Libya strives to regain its position as a prominent global energy producer, the potential for substantial growth and investment in the sector is substantial.

□ وفي الختام، قدمت المؤسسة الوطنية للنفط في ليبيا خطة طموحة لتعزيز إنتاج النفط والغاز، والحد من حرق الغاز، وتحسين الشفافية في التقارير المالية. وعلى الرغم من الصعوبات السابقة وعدم الاستقرار السياسي، فإن التطورات الأخيرة تشير إلى مستقبل أكثر أمناً وواعداً لقطاع الطاقة في ليبيا.

□ إن جولة تراخيص النفط والغاز القادمة في عام 2024، إلى جانب تفاني الشركات المتعددة الجنسيات للاستثمار في ليبيا، تشير إلى آفاق إيجابية لصناعة الطاقة في البلاد. وبينما تسعى ليبيا إلى استعادة مكانتها كمنتج عالمي بارز للطاقة، فإن إمكانات النمو والاستثمار الكبير في هذا القطاع كبيرة.