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# INDUSTRY REPORT

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# Decarbonisation of Egypt’s oil and gas sector – progress so far

Egypt signed the Paris Agreement in 2016, the Zero Routine Flaring Initiative in 2017, and the Global Methane Pledge in 2022. Egypt hosted COP27 in 2022, launching several initiatives to make progress. The Egyptian Ministry of Petroleum and Mineral Resources, state entities, and the oil and gas sector are working together to reduce emissions from the sector to help Egypt meet its climate targets

## Stakeholders driving the decarbonisation of Egypt’s oil and gas sector



Leading efforts to decarbonise the Egyptian oil and gas sector



Setting net zero goals



Evaluating methane emissions

Leading IOCs working on initiatives to reduce emissions
















Source: Welligence Energy Analytics

### The Egyptian Ministry of Petroleum and Mineral Resources (MoPMR)

The MoPMR oversees the oil and gas sector activities across the value chain including oil and gas exploration, production, processing, storage and distribution, refining and petrochemicals. The Ministry is taking the lead in supporting Egypt meet its energy transition and decarbonisation targets. The Ministry's efforts are based on 6 main pillars including, gas as the fuel of choice, energy efficiency, decarbonisation, green petrochemicals, and hydrogen.

Decarbonisation of the oil and gas sector is essential for Egypt to meet its national targets. The reduction of gas flaring is a priority. The Nationally Determined Contributions target for Egypt's oil and gas sector is to reduce the GHG emissions from flaring gas by 1.682 million tonnes of CO<sub>2</sub> (65%) by 2030 compared to baseline GHG emissions in 2015. The MoPMR has led around 30 Flare Gas Recovery projects since Egypt endorsed the Zero Routine Flaring Initiative in 2017.

In November 2022, H.E. Tarek El Molla, the Egyptian Minister of Petroleum and Mineral Resources introduced the Decarbonisation Day during COP27, which was held in Sharm El-Sheikh. For the first time in the history of COP, the Decarbonisation Day brought together industry stakeholders including governments, the private sector, international organisations, and financial institutions. One of the key initiatives that emerged from the Decarbonisation Day was a focus on methane reduction and the Sharm El-Sheikh oil and gas methane reduction roadmap, which is a strategy other countries can follow. The Ministry is also taking a lead on the East Mediterranean Gas Forum Decarbonisation Initiative. Since COP27, the ministry has also launched the Low Carbon Hydrogen Strategic Framework.

### The Egyptian General Petroleum Corporation (EGPC)

EGPC is the state-owned entity responsible for managing and overseeing the oil and gas sector in Egypt. In April 2023, EGPC signed an MoU with DNV for support in setting the NOC's net zero goals. EGPC is setting these targets within the framework of the 'Egypt Vision 2030' plan designed to help reach the nation's climate targets.

### Egyptian Natural Gas Holding Company (EGAS)

EGAS is the state-owned entity in Egypt responsible for the exploration, production, and marketing of natural gas. In 2023, EGAS worked with Eni to evaluate methane emissions and identify potential mitigation options across EGAS facilities. The state company has also implemented a fugitive and venting emission monitoring campaign at its major Western Desert Gas Complex.

### IOC progress in decarbonisation of the Egypt upstream sector

Many of the upstream oil and gas companies are working with the Ministry, EGPC and EGAS to help reduce emissions from the oil and gas sector.

- **Eni** is the largest producing IOC in Egypt's upstream sector. As well as continuing to invest in Egypt's gas sector, Eni is working with EGAS and EEHC to explore the technical and commercial feasibility of green and blue hydrogen projects.
- **bp** is the second largest producing IOC in Egypt. In December 2022, bp signed an MoU with the Government of Egypt to explore the potential for establishing a new green hydrogen production facility in the country. The MoU was signed by several government agencies. Under the MoU, bp will carry out multiple feasibility studies.
- **Apache** is the leading oil producer in Egypt, with operations focussed in the Western Desert. In 2022, Apache set the goal to reduce routine flaring in its Egyptian upstream operations. In addition, the company set a three-year target to eliminate 1 million tonnes of CO<sub>2</sub> from its operations.

These are only a few examples from the largest producing companies. Other companies including Chevron, Wintershall, Shell, Energean, Capricorn Energy and ENAP Siperol are working on various emission reduction initiatives.

Good progress has been made - commitments are in place to decarbonise the oil and gas sector, the Ministry is showing strong leadership, and there is a spirit of collaboration between all the relevant stakeholders. This plus the necessary investment and international support will keep this momentum.

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