

#EnergyTransition #LNG #sea transport/development of small scale LNG

## Fos Cavaou LNG terminal ready in 2019 for LNG bunkering

To support the sea transport industry in its efforts to combat climate change, Elengy and its subsidiary Fosmax LNG, owner of the Fos Cavaou LNG terminal, are adapting the terminal to offer a new LNG (\*) bunker-vessel loading service.

This service will enable the terminal to accommodate smaller vessels (capacity less than 20,000 m<sup>3</sup>) which, after loading their LNG tanks at Fos Cavaou, will be able to supply ships in the port of Marseille-Fos and other sites in the Mediterranean sea. More and more cruise ships, container ships and ferries now operate or plan to operate using LNG, a response to the challenges of energy transition in terms of cleaner energy. Economically very competitive, LNG and natural gas reduce carbon dioxide (CO<sub>2</sub>) by a quarter, NO<sub>x</sub> emissions (NO<sub>x</sub>) by 90% and sulfur emissions (SO<sub>x</sub>) and particulate matter by almost 100% compared to currently-used shipping fuels. This makes LNG, available now, an essential alternative energy source for sea transport.

In recognition of its positive impact on energy transition, 30% of the project is being financed by European funding.

### Reinforcement of the Fos LNG hub, the privileged entry gate for LNG in Europe

This new service primarily calls for work to modify the wharf at the Fos Cavaou LNG terminal, which will be completed in June 2019. It enriches the offer of the Fos-sur-Mer LNG terminals, which already accommodate the unloading of LNG carriers ranging from 20,000 m<sup>3</sup> to 265,000 m<sup>3</sup> (Q-Max type extra large LNG tankers).

Elengy and Fosmax LNG estimate that the Fos Cavaou terminal will be able to accommodate around 50 micro-tankers per year, in other words one a week, always under optimal conditions of safety, reliability and performance.

With this service, which completes the offer that was recently enriched by the decision to build a loading station for LNG tankers at the Fos Cavaou terminal, the two companies are once again illustrating their desire to offer a real LNG hub in Fos, the privileged entry gate for LNG in the great European gas market.

\*Liquefied Natural Gas (LNG) is natural gas that is rendered liquid by cooling to minus 160°C. For the same amount of natural gas, the volume of LNG is about 600 times lower than that of its gaseous state. The transport of natural gas in liquid form at atmospheric pressure allows ships to carry large amounts of energy resulting in an efficient and competitive means of transportation to diversify sources and supply routes and access remote gas reserves.

#### About Elengy

*A pioneer in liquefied natural gas (LNG), Elengy is a subsidiary of GRTgaz within the ENGIE Group.*

*Leader in LNG terminal services in Europe, Elengy is at the service of all energy suppliers wishing to import liquefied natural gas to supply French and European markets. Elengy operates and develops three LNG terminals in France; Montoir-de-Bretagne on the Atlantic coast, Fos Tonkin and Fos Cavaou on the Mediterranean coast.*

*Some benchmarks for 2017:*

*370 employees*

*Regasification capacity: over 20 billion m<sup>3</sup> LNG per year*

*Quantity of energy received: more than 22% of French consumption*

*156 port calls made*

*Owner of the Fos Cavaou LNG terminal, Fosmax LNG is a subsidiary of Elengy (72.5%) and Total (27.5%).*

For more information: [www.elengy.com](http://www.elengy.com)  Elengy and [www.fosmax-lng.com](http://www.fosmax-lng.com)  FosmaxLNG

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