

Press Release

30 June 2022

CMA CGM and ENGIE set to co-invest in the Salamander project, to produce second-generation biomethane

- **First concrete project under the strategic partnership that ENGIE and the CMA CGM Group signed in November 2021.**
- **CMA CGM will acquire a stake in the Salamander project and the launch decision is expected to be made in late 2022.**
- **Salamander plans to come on stream gradually in 2026 and produce 11,000 tons of second-generation biomethane annually, backed by a total investment of €150 million.**
- **The project is the first milestone towards the companies' shared goal of producing up to 200,000 tons of renewable gas annually worldwide by 2028.**

The CMA CGM Group, a global player in sea, land, air and logistics solutions, and ENGIE, a global leader in low-carbon energy and services, announced plans today to co-invest in the Salamander project – the first industrial and commercial unit for second-generation biomethane production – and their intention to produce up to 200,000 tons of renewable gas annually worldwide by 2028, to meet the needs of CMA CGM and the shipping industry.

Majority-owned by ENGIE and the CMA CGM Group, the site is being considered to be located in Le Havre, backed by the support of the Havre Seine Métropole urban community via the investment program “Le Havre, Ville portuaire intelligente” (*Le Havre, a smart port city*). The unit will be fueled by dry biomass from local wood-waste sources, along with solid recovered fuel, and will produce the biomethane via pyrogasification process. The site will aim to produce 11,000 tons of biomethane annually, starting in 2026.

The two groups plan to finalize their investment decision in late 2022. A funding request has been submitted to the European Commission's Innovation Fund. By developing the renewable gas industry and the Salamander project, both CMA CGM and ENGIE will help achieve the energy independence and energy transition goals set forth by the European Commission in the RepowerEU plan.

An objective up to 200,000 tons of renewable gas annually worldwide by 2028

The CMA CGM Group and ENGIE have taken this opportunity to state their intention to produce together, up to 200,000 tons of annual production of renewable gas in Europe and worldwide by 2028, both to meet CMA CGM's needs and those of the shipping industry. The Salamander project will help reach that target.

The CMA CGM Group, which aims to achieve net-zero carbon by 2050, already has a fleet of 30 dual-fuel “e-methane ready” ships in operation – a figure that will rise to 77 by the end of 2026

The dual-fuel engine technology developed by CMA CGM, which currently runs on LNG, is already capable of using bioLNG, as well as synthetic methane. This fuel reduces greenhouse gas emissions by up to 67% compared with Very Low Sulphur Fuel Oil (VLSFO) from well to wake (the complete value chain). Against this backdrop, CMA CGM and ENGIE are pledging their commitment to promoting the development of the renewable gas sector at an industrial scale.

Salamander: local renewable energy and a concrete commitment to the Le Havre region

Salamander is the concrete translation of both groups' desire to promote production and distribution sectors for renewable gas in Europe – particularly in France. It is the application on an industrial scale of 10 years of research and development conducted by ENGIE¹ within the framework of the GAYA project, which has demonstrated the technical, economic and environmental viability of producing renewable gas.

The Salamander project also reflects CMA CGM's close-knit connection with the Le Havre region, where the site is being considered. CMA CGM is the largest local maritime company in terms of market share, operating in the region since 1994. Its roots can even be traced back to 1863 as CGM. 15 weekly connections serve the port of Le Havre – an illustration of its strategic importance to the CMA CGM Group – and the local office employs a staff of over 400 employees.

Two French groups committed to the Coalition for the Energy of the Future to support sustainable mobility

CMA CGM and ENGIE have also been working together for several months within the Coalition for the Energy of the Future, launched at the end of 2019 during the “Assises de l’Economie de la Mer” by Rodolphe Saadé and supported by President of the French Republic, Emmanuel Macron. The two companies continue to work within the Coalition to ramp up the development of the energies and technologies of the future, to support new models of sustainable mobility and reduce the climate impact of transport and logistics.

Christine Cabau Woehrel, Executive Vice President Assets and Operations at CMA CGM said: *“To reach our target of net-zero carbon by 2050, the CMA CGM Group is seeking to form solid industrial partnerships, led by this initiative with ENGIE that aims to produce up to 200,000 tons of renewable gas annually by 2028. Salamander is the first industrial ramp-up to emerge from the partnership, an advanced pilot helping to develop the renewable gas sector, in keeping with the goals of energy independence and the energy transition set forth by the European Commission in the RepowerEU plan.”*

Edouard Sauvage, Executive Vice President Infrastructure at ENGIE, said: *“ENGIE is innovating with a new local production method for second-generation biomethane using wood waste, underpinned by an energy production technology involving pyrogasification process. The scale of the project reflects our ambitions and accelerated development in renewable gas production. It demonstrates our ability to support leading companies in their transition to net zero. We are delighted and proud to be carrying out this initiative in partnership with CMA CGM, moving forward together in this important milestone in our efforts to promote the energies of the future”.*

About CMA CGM

Led by Rodolphe Saadé, the CMA CGM Group, a global player in sea, land, air and logistics solutions, serves more than 420 ports around the world across 5 continents, with a fleet of 580 vessels. The Group transported 22 million TEU containers (twenty-foot equivalent units) in 2021. With its subsidiary CEVA Logistics, a global logistics player which transported 474,000 tons of air cargo and more than 21 million tons of inland freight, and its air cargo division CMA CGM AIR CARGO, the CMA CGM Group is constantly innovating to provide customers a comprehensive and increasingly efficient offering, thanks to new shipping, inland, air freight and logistics solutions. Firmly committed to the energy transition in shipping and a pioneer in its use of alternative fuels, the CMA CGM Group has set a Net Zero-Carbon target for 2050.

Each year, via the CMA CGM Foundation, the Group supports thousands of children as part of its efforts to promote education for all and equal opportunities. The CMA CGM Foundation also intervenes in humanitarian crises requiring an emergency response by calling on the Group's shipping and logistics expertise to deliver humanitarian supplies around the world.

Present in 160 countries through its network of more than 400 offices and 750 warehouses, the Group employs 150,000 people worldwide, including 2,900 in Marseille where its head office is located.

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Find the CMA CGM group on



About ENGIE

Our group is a global reference in low-carbon energy and services. Together with our 170,000 employees, our customers, partners and stakeholders, we are committed to accelerating the transition towards a carbon-neutral world, through reduced energy consumption and more environmentally friendly solutions. Inspired by our purpose ("raison d'être"), we reconcile economic performance with a positive impact on people and the planet, building on our key businesses (gas, renewable energy, services) to offer competitive solutions to our customers.

Turnover in 2021: €57.9 billion. The Group is listed on the Paris and Brussels stock exchanges (ENGI) and is represented in the main financial indices (CAC 40, Euronext 100, FTSE Eurotop 100, MSCI Europe) and non-financial indices (DJSI World, DJSI Europe, Euronext Vigeo Eiris - Eurozone 120/ Europe 120/ France 20, MSCI EMU ESG screened, MSCI EUROPE ESG Universal Select, Stoxx Europe 600 ESG, and Stoxx Global 1800 ESG).

¹ and its partners: CEA, Repotec, Laboratoire Réactions et Génie des Procédés (reactions and process engineering laboratory, joint research unit run by the CNRS and the University of Lorraine), FCBA (technology institute for wood-forest and furniture sectors), Cirad, Albi Ecole des Mines, the Union de la Coopération Forestière Française (French forestry cooperation union), the Lille Unité de Catalyse et Chimie du Solide (Catalysis and Solid-State Chemistry Unit) and the Centre Technique du Papier (Technical Paper Centre).