

Hynovi

production of carbon-free methanol in France

- **Vicat**, France's unique cement manufacturer, and **Hynamics**, a subsidiary of the **EDF Group** specializing in **hydrogen** production, joined forces in September 2021 to develop an integrated solution for **CO2 capture** and the production of **carbon-free methanol**.
- The **Hynovi** project seeks to capture **40% of the CO2** emitted by the Vicat cement plant in **Montalieu-Vercieu**.
- The carbon produced by the cement plant will be captured and combined with **Hynamics' low-carbon hydrogen** to produce **decarbonated methanol**.
- In view of the climate emergency, the **Hynovi** project should prevent the emission of **half a million tons** of CO2 every year.



Project characteristics:

- Installation of a **330 MW electrolyzer** on the cement plant site **by 2025**
- **Capture of CO2** emissions at the kiln exit
- Use of **oxygen** for **oxy-combustion**
- **200,000 tons** of methanol per year (**1/4** of France's total consumption)