

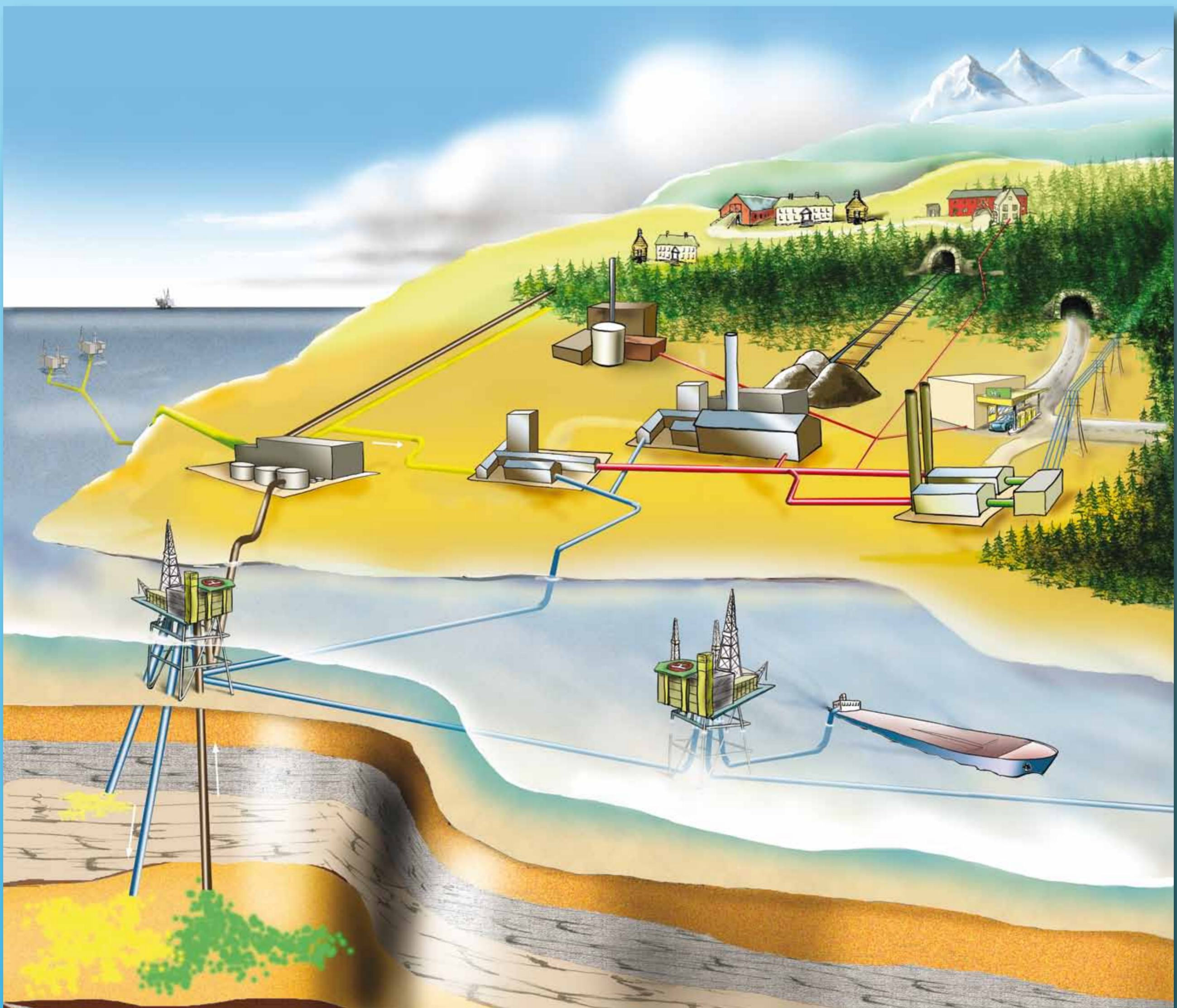
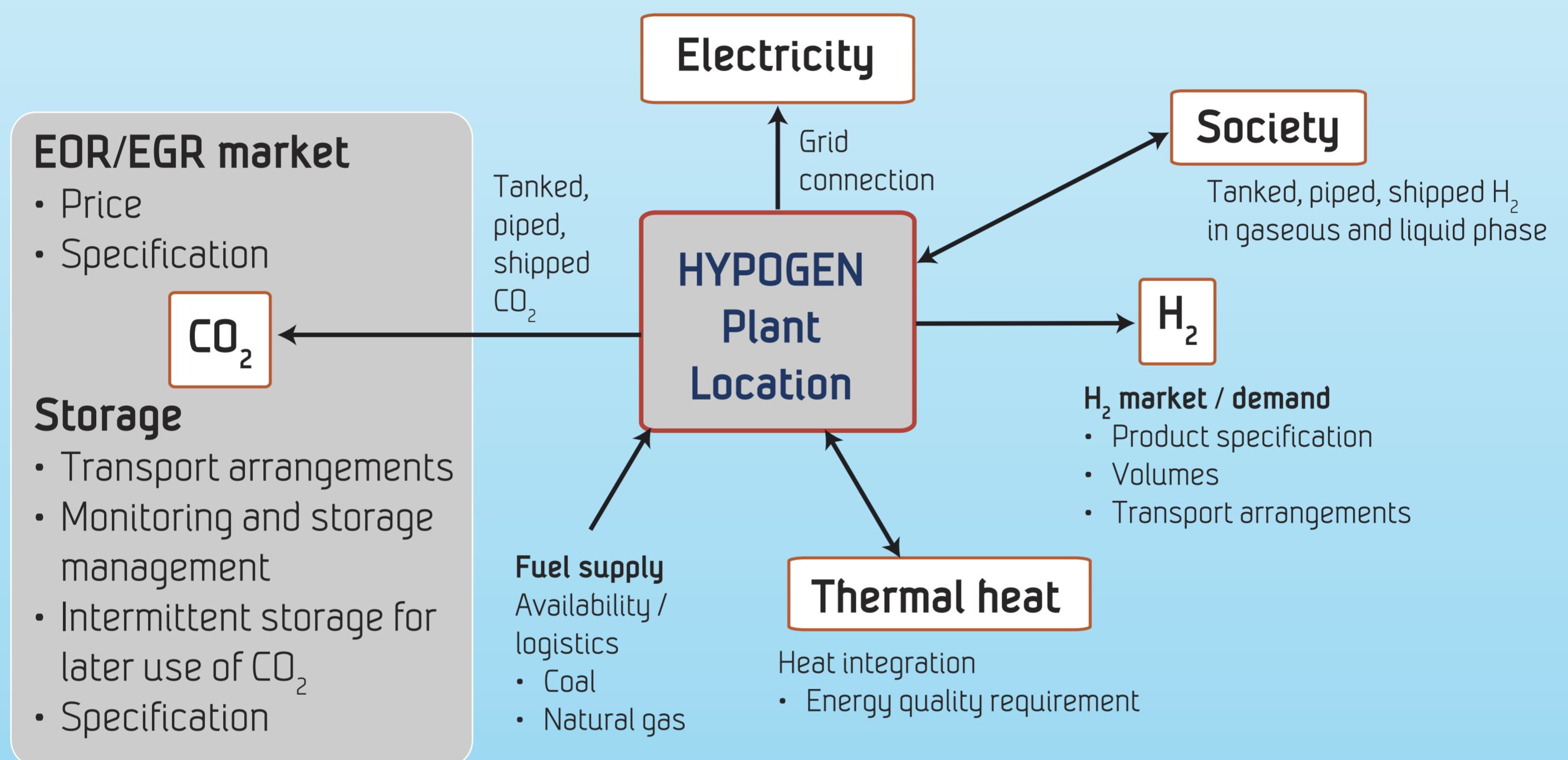
# Hydrogen and Electricity Production with Carbon Dioxide Capture and Storage

DYNAMIS has prepared the ground for large-scale European facilities producing hydrogen and electricity from fossil fuels via decarbonisation and permanent storage of the CO<sub>2</sub>.

Fossil fuels will remain the prevalent energy source for Europe over the foreseeable future despite their drawback of emitting CO<sub>2</sub>. In order to reduce its greenhouse gas emissions Europe needs new low-emission technologies - including decarbonised fossil fuels and the use of hydrogen as an energy vector.

In this perspective it seems mandatory to enable ways of isolating the CO<sub>2</sub> and storing it safely for thousands of years at reasonable cost and efficiency.

DYNAMIS has investigated viable routes to large-scale cost-effective co-production schemes for hydrogen and electricity with fully integrated CO<sub>2</sub> management.



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