

CCUS Technologies in Greece & SE Europe

IENE Workshop

October 2023

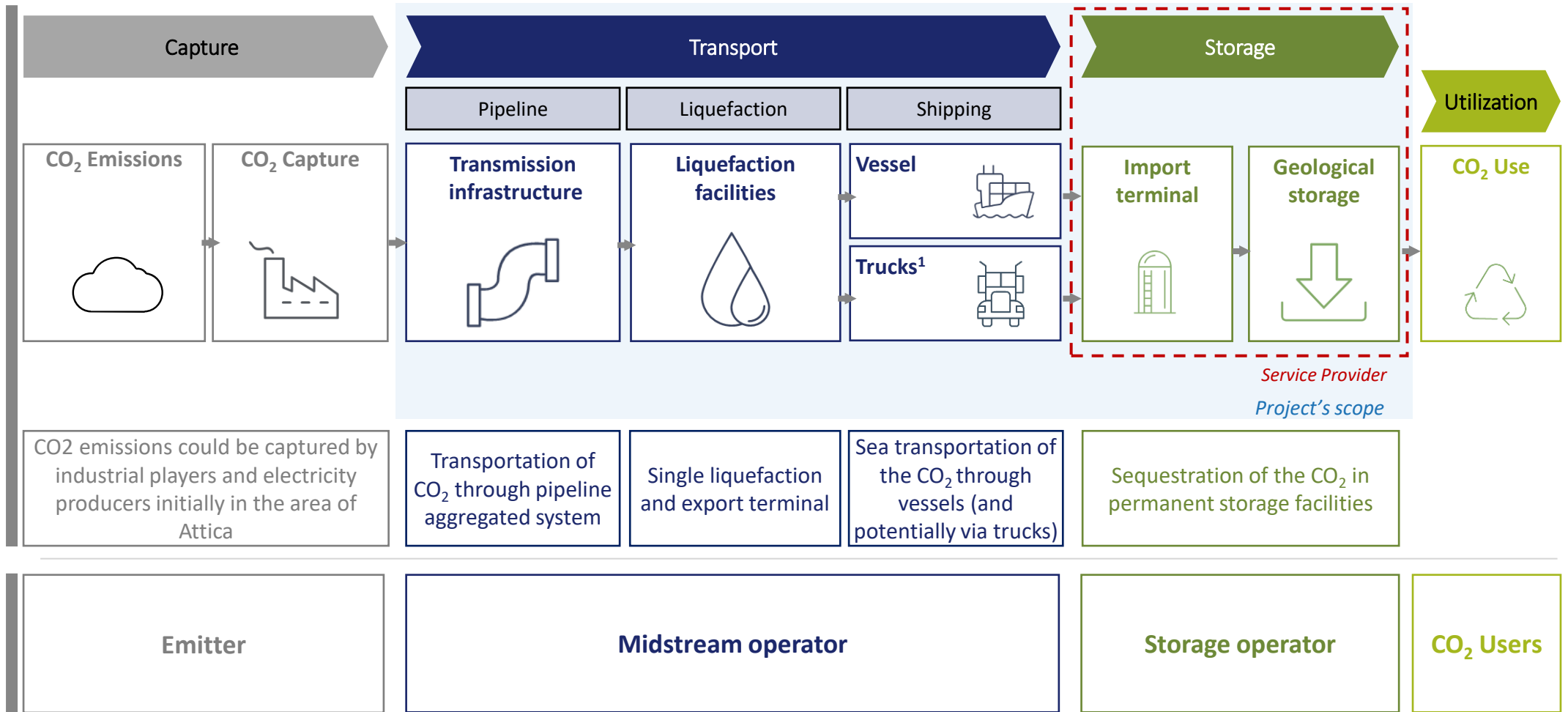


DESFA focuses on the midstream part of the CC(U)S value chain



CC(U)S VALUE CHAIN

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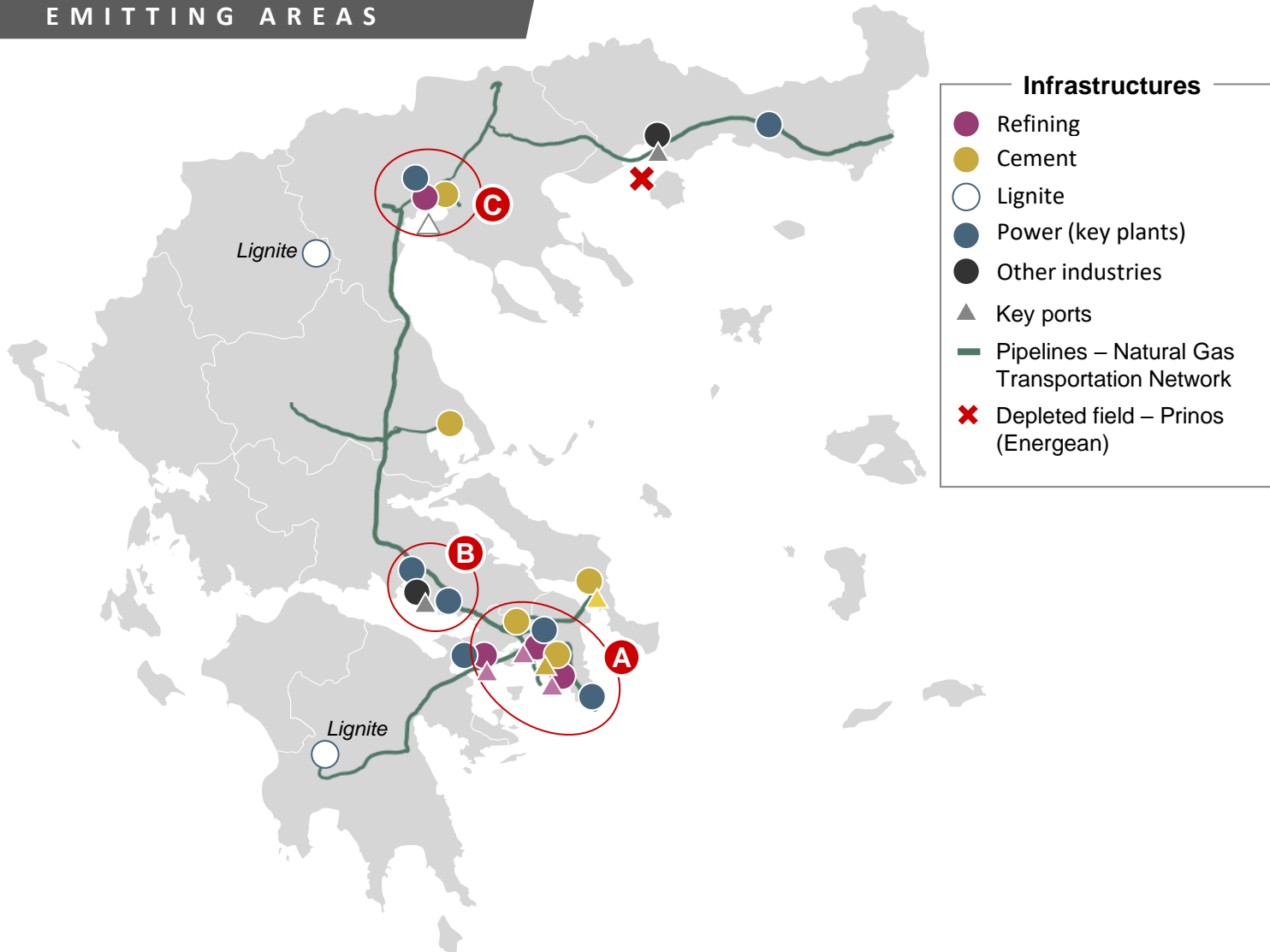


Note: ¹Transportation of liquified CO₂ with trucks is examined through CoreEU, a pilot project funded from HorizonEU program

The top emitting facilities in Greece have been classified under three clusters; Attica region will be prioritized as the larger emitting area in Greece



EMITTING AREAS



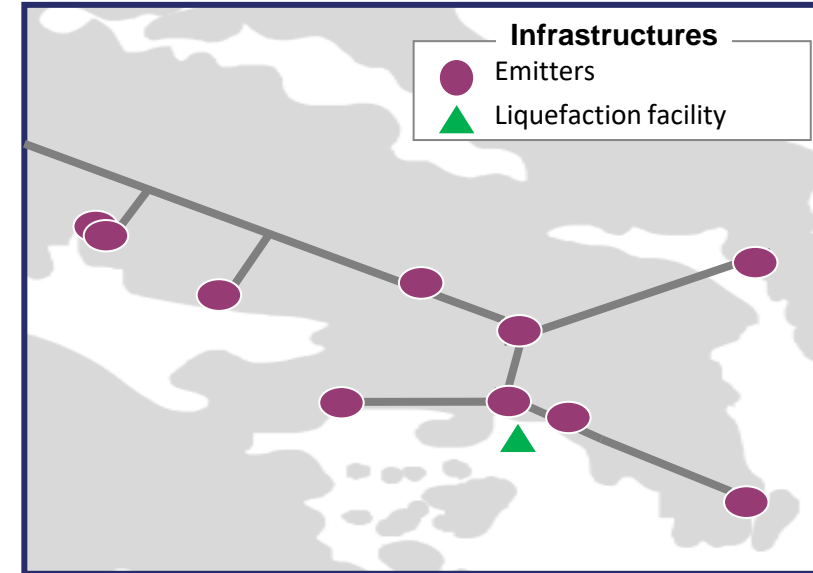
Highlights

- Top emitting facilities in Greece mainly include **Power plants, Refineries and Cement factories** (all under ETS)
 - Three main areas:
 - A Attica**
 - B South part of Central Greece**
 - C Thessaloniki district**
- **DESFA operates existing NG transportation network** from South to North/East area, with stations and compressors spread around the line
- **As CO₂ storage potential, the basin in Prinos has been selected**
 - Located in the Gulf of Kavala, 18 km south of the mainland of Northern Greece, in water depth of 30 to 38 meters

The positive assessment of DESFA's CCS project in the 6th PCI cycle highlights the necessity to proceed fast with this project



PCI PROJECT



Key Highlights of Prinos CO₂ Project

- The “Prinos CO₂”, project submitted by Energean and DESFA within the framework of the 6th PCI’s list of the European Commission also successfully passed the technical evaluation, which make it **eligible for inclusion in the relevant preliminary list**
- The project’s budget is approximately **€1.4bn**, from which **DESFA’s part** covers approximately **€500mn**
- It is envisaged Prinos CO₂ Storage Project to represent the first **CO₂ storage hub at industrial/commercial scale in the Mediterranean**. The project aims to serve CO₂ produced by local sources and remote sources from those hard-to-abate emitters
- **DESFA’s** project contribution includes the construction of a **dedicated CO₂ pipeline** connecting emitters from the region of Attica
- This pipeline will aggregate the volumes in a port close to Elefsina, where the **CO₂ will be liquefied and temporarily stored in a dedicated facility**, until its loading to **CO₂ carriers that will transport it via sea** to Prinos Storage facilities

**Thank you for your
attention**

Kleopatra Avraam – Senior Manager at
Strategic Planning department

