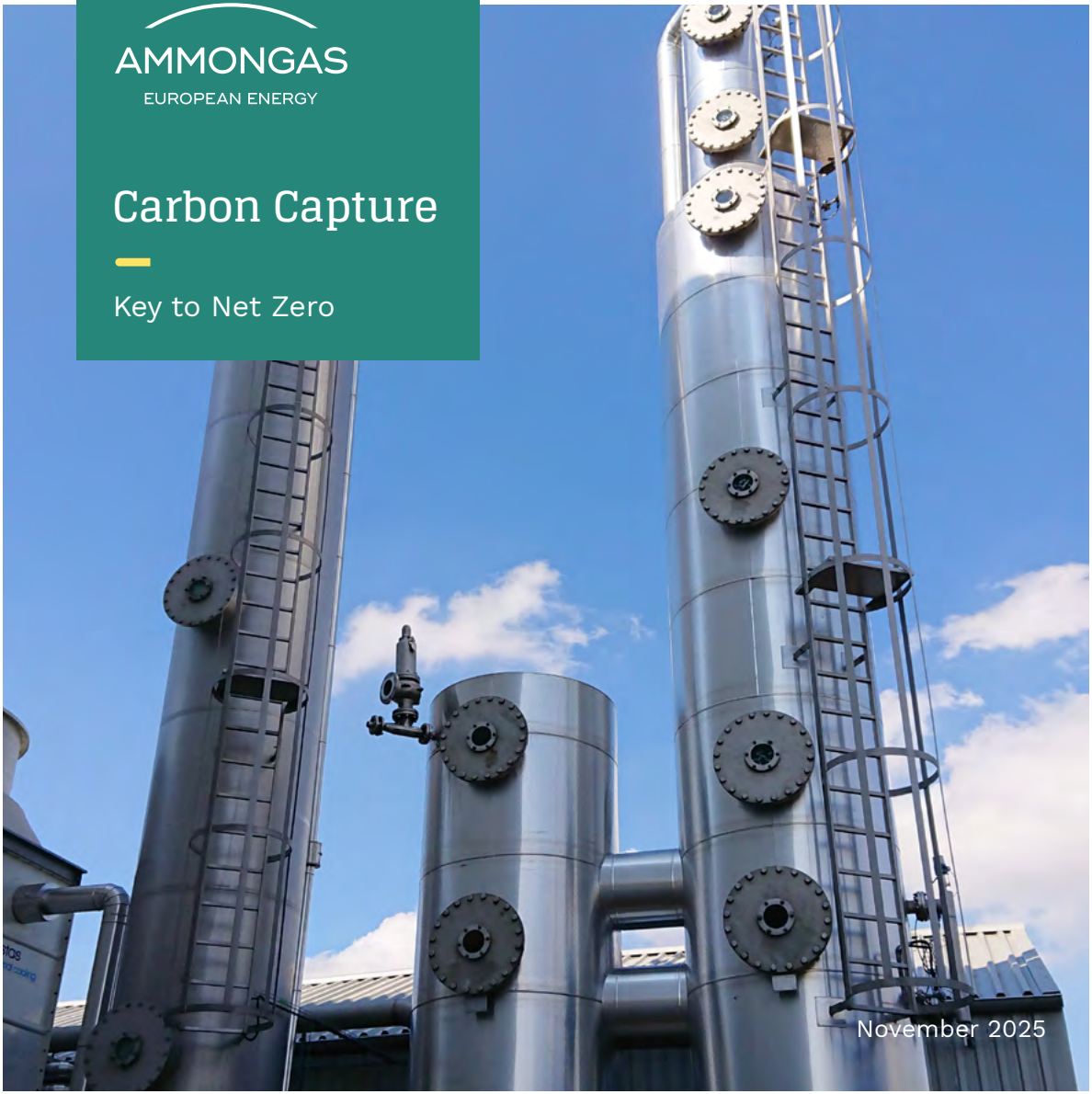
AMMONGAS
EUROPEAN ENERGY

Carbon Capture

Key to Net Zero



November 2025

Ammongas contributes as a driving force to achieving Goal 13 of the United Nations Sustainable Development Goals: Taking urgent action to combat climate change and its impacts.

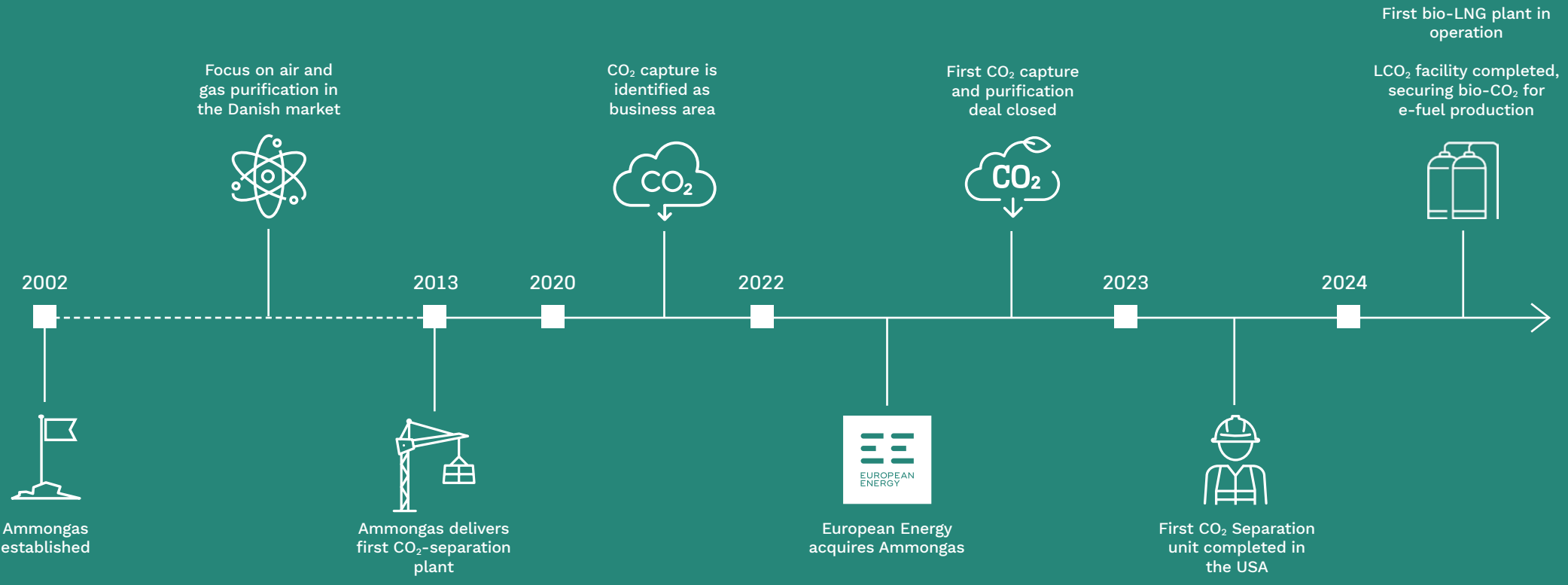
Through its advanced carbon capture technologies, Ammongas enables significant reductions in greenhouse gas emissions. The tailored CO_2-separation systems efficiently capture CO_2 from flue gases and biogenic sources, converting emissions into pure CO_2 ready for Carbon Capture, Utilization, and Storage (CCUS).

By helping industries reduce their carbon footprint and meet climate targets, Ammongas supports a transition to low-emission energy systems and a more resilient future.

At Ammongas we are ready to support you with technology that meets today's needs and is engineered for tomorrow's challenges.

Experts in CO_2 since 2002 with turnkey supply for Carbon Capture, CO_2 Purification and Liquefaction

Today 40+ absorber-stripper systems installed across Europe and the Americas.

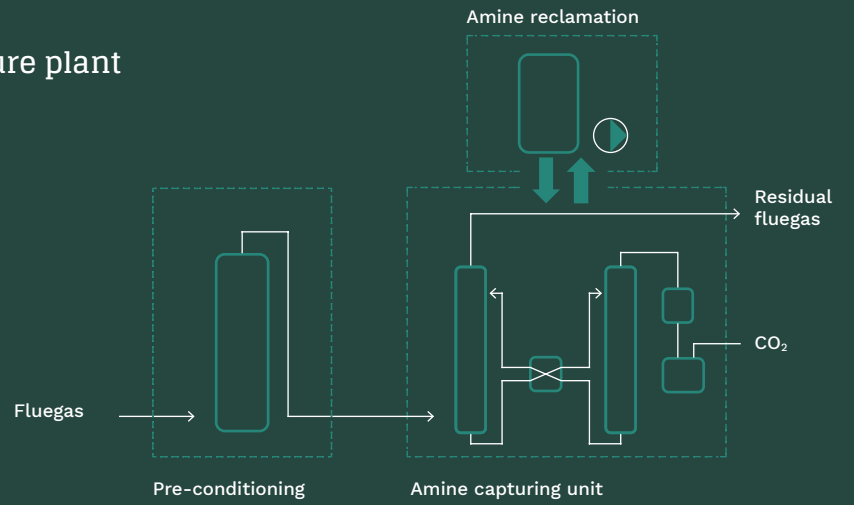


Lower CO_2-taxes by reducing CO_2-emissions with Carbon Capture

Carbon Capture

Ammongas provides carbon capture solutions for flue and tail gas streams using a proven absorber-stripper system with alkaline amines—technology established in the oil and gas industry. The process achieves high CO_2 capture rates, reducing residual CO_2 in treated off-gas to below 1%. The system operates similarly to our 40+ biogas absorber-stripper systems, ensuring reliability and efficiency through established process design. Heat integration is a core feature, enabling up to 90% heat recuperation and minimizing amine consumption. For complex gas compositions, performance can be enhanced with pre- and post-treatment steps to manage sulfur (SO_x) and nitrogen oxides (NO_x), ensuring stable operation across varying conditions.

Carbon Capture plant



Proven concept

Proven Technology – Ready for Flue Gas Applications

Beyond the 40+ absorber-stripper systems already operating for CO_2 separation from biogas, Ammongas technology has earned a strong proof through three key milestones.

These achievements demonstrate Ammongas' readiness to deliver scalable carbon capture solutions for industrial flue gas:

Award-winning demonstration: Recognized with the Danish District Heating Prize for our innovative flue gas carbon capture plant.

Independent validation: Results confirmed by FORCE Technology, ensuring performance and reliability with low emissions of breakdown products.

European CCUS leadership: Active role in the ConsenCUS project, including design, installation, and service of a mobile pilot plant - gaining valuable operational data across diverse flue gases and site conditions.

Award-winning demonstration plant

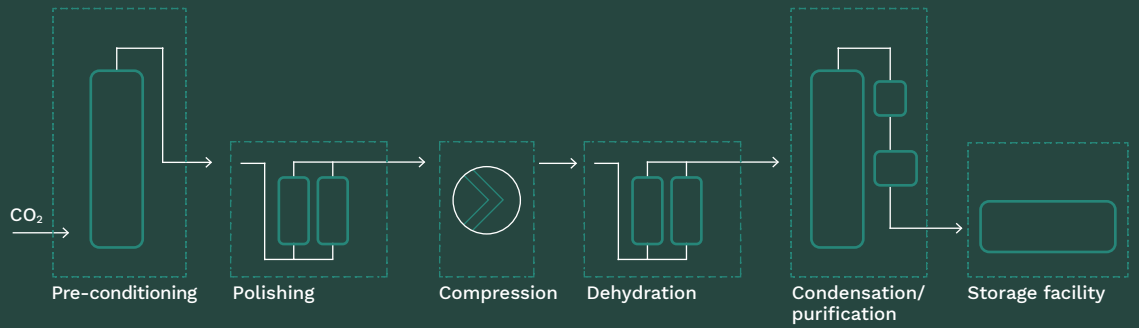
2-line 3.5 tph liquefaction plant for CO_2 with PtX-grade

Liquefied CO_2

Ammongas offers a solution for CO_2 liquefaction. The inlet raw CO_2 entering the liquefaction plant is pre-conditioned and polished prior to compression, dehydration, and condensation before final storage.

Depending on the end-use, the CO_2 can through the Ammongas LCO_2-plant be delivered with a quality of +99% CO_2 for sequestration and up to food-grade or Power-to-X quality.

CO_2 Liquefaction plant



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Transforming CO_2 into opportunity

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