Parker Solutions

for Carbon Capture, Utilisation and Storage

Parker

ENGINEERING YOUR SUCCESS.

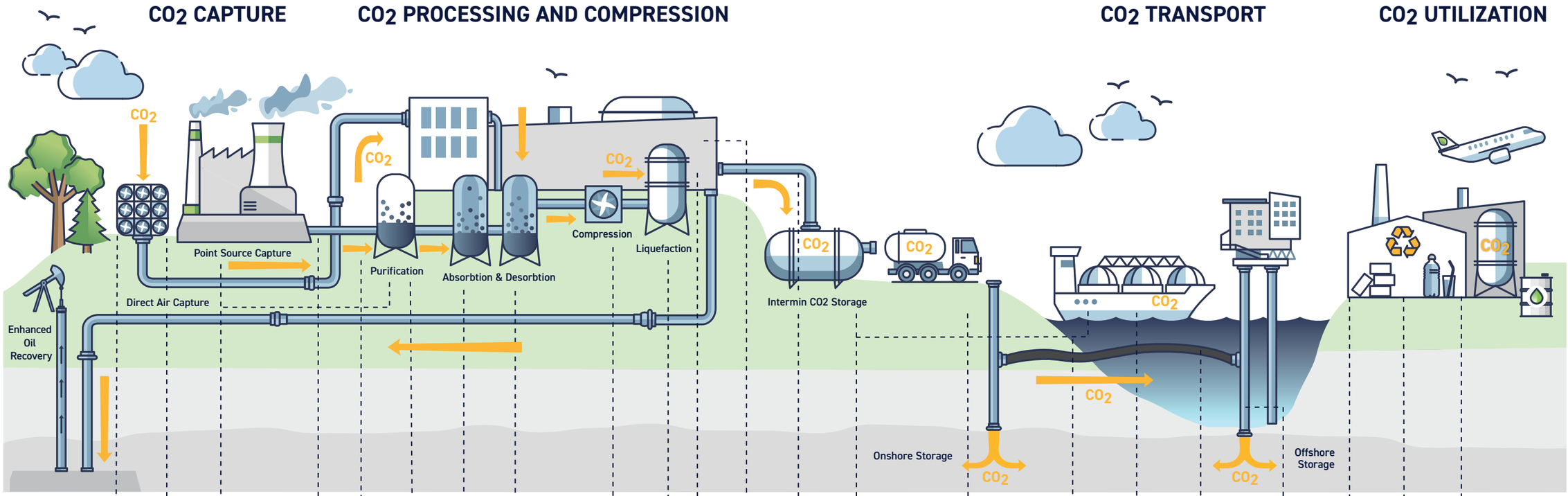
Carbon Capture, Utilisation and Storage

Carbon capture, utilization, and storage (CCUS) is a critical technology that has gained significant attention in recent years as a potential solution to mitigate climate change. CCUS refers to a set of technologies that capture carbon dioxide (CO2) emissions from various sources, including power plants, industrial processes, and even the atmosphere, and then either store it underground or utilize it for other purposes. With the increasing demand for energy and the growing concern about the impact of greenhouse gas emissions on the environment, CCUS has emerged as a promising technology to address these challenges.

Parker Fluid Connectors group Europe offers technologies to support CCUS processes. With the extensive knowledge and experience from projects in Oil & Gas and Hydrogen environments, Parker can provide products and expertise for connection technology including valves, flanges and hoses, filtration, and compression products.

Blue Hydrogen

CCUS and blue hydrogen are closely linked, and the development and deployment of both technologies are essential. When CO2 capture is added within the steam methane reforming (SMR) or autothermal reformation (ATR) Hydrogen production process, the hydrogen produced can be classified as "blue". Hydrogen is a versatile energy carrier that can be used in a variety of applications, including transportation, power generation, and industrial processes.




Membranes


Hi-Pro Series Ball valve & H Series Needle Valve


Process to Instrument Valves


Particulate Filter


A-LOK® Twin Ferrule Fittings


Heatric Heat Exchanger


Autoclave Engineers Needle / Check Valves


Thermoplastic Hose 510D / 520N / 2245N-P


Industrial / Marine Cryogenic Globe, Check & Relief Valves


Black Eagle Hose


Subsea Hydraulic Products


Analyzer Systems R-MAX™ Intraflow™


Chillers


Coolers


Fugitive Emissions Flanged Products


Gas Coalescer Gemini II


Industrial / Marine Cryogenic Globe, Check & Relief Valves


Process to Instrument Valves


Manifolds


Hydraulic Power Unit


Monoflanges


Nitrogen Generators

www.parker.com

European Headquarters
La Tuilière 6, 1163 Etoy,
Switzerland
Tel: +41 21 821 85 00

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