



# CARBON CAPTURE SOLUTIONS PROVEN CARBON CAPTURE WITH HPC

CATACARB® HPC TOWER CONFIGURATION © EICKMEYER & ASSOCIATES, INC.

ANDRITZ and CATACARB® have combined forces to offer an energy efficient, environmentally friendly CO<sub>2</sub> removal solution to target flue gas emissions. ANDRITZ' proven EPC capabilities together with

CATACARB's licensed hot potassium carbonate (HPC) technology provide a turn-key option for customers seeking to combat climate change. HPC is a mature and proven technology with over 150 CATACARB units

in operation worldwide. CATACARB leverages over 60 years of design expertise based on empirical data from 40 million operating hours of CO<sub>2</sub> removal from gas streams.

## ANDRITZ

# HPC: Proven, Safe Solution for Efficient CO<sub>2</sub> Capture

## ENVIRONMENTALLY FRIENDLY

With the CATACARB inorganic catalyst, the HPC solution is non-volatile and free from the production of carcinogenic or other harmful organic compounds. The closed two-tower system prevents the release of solvents into the atmosphere, making the HPC process an inherently green solution. In this closed system, CO<sub>2</sub> is chemically absorbed under pressure in an absorption tower by a solution of potassium carbonate dissolved in water. The solution is subsequently sent to a separate tower where it is stripped of the absorbed CO<sub>2</sub> with steam and the cycle continues.

## COST EFFECTIVE & EFFICIENT

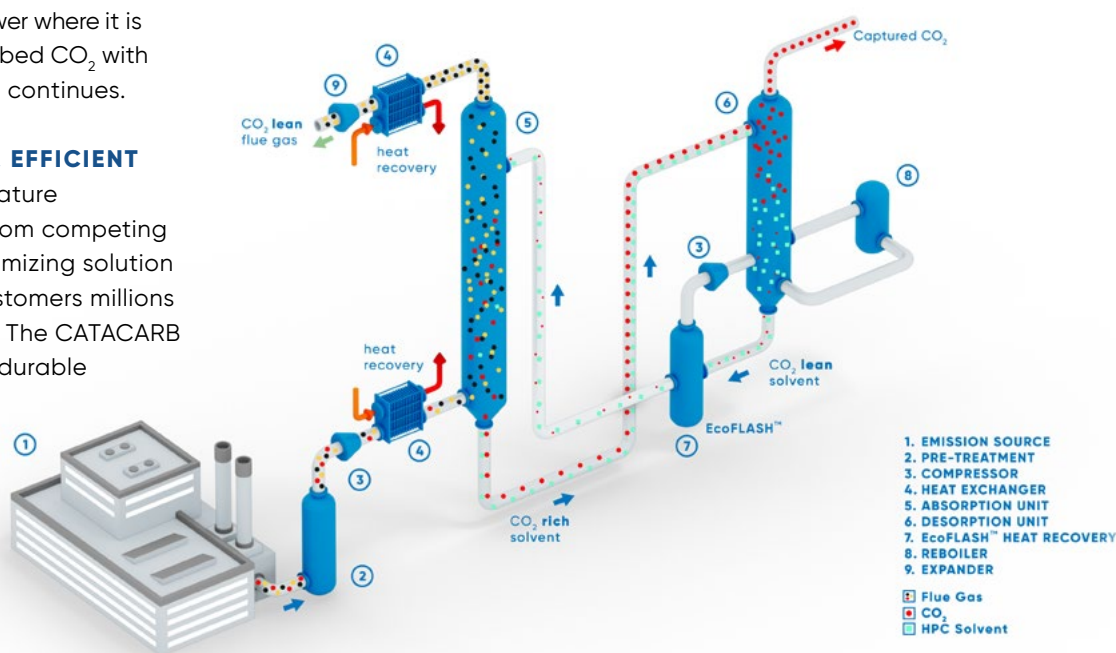
The closed system nature differentiates HPC from competing technologies by minimizing solution make-up, saving customers millions in operational costs. The CATAcarb solvent is inherently durable

because it is resistant to heat and oxygen; it is neither consumed nor degraded. Compared to competing technologies, little energy is needed for solvent regeneration and less steam is required.

## SERVICE, SUPPORT, TRAINING

To ensure maximum efficiency of your HPC process after start-up, ANDRITZ and CATACARB offer customized ongoing support packages. Experience unparalleled support with our

team of expert engineers ready to answer your questions and keep your CO<sub>2</sub> capture unit operating efficiently. With a remarkable six decades of accumulated operating data, we possess the extensive resources needed to provide prompt and precise answers to your questions, ultimately saving you valuable time and money.



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