

ANALYSIS OF TECHNOLOGIES AND MARKETS FOR CAPTURED CO₂ UTILIZATION AND STORAGE



Global CleanTech Company Specializing in Energy from Waste

The Client was interested in learning about the possibility of converting captured CO₂ into profits.



CHALLENGE

For this ongoing Research Support Service License, PreScouter needed to analyze factors such as the market for utilizing captured CO₂, technologies and their readiness levels, CO₂ storage methods, and who were the most advanced players in this field.



APPROACH

PreScouter took the approach of using Key Performance Indicators (KPIs) including Environmental Performance (CO₂ avoided, sequestered, etc), Costs, Process (purity level needed, sensitivity aspects, etc), and Technology Maturity. The PreScouter team gathered all inputs necessary to perform the calculations and analysis needed to use the KPIs to compare 15+ different utilization/storage options. Particular attention was dedicated to assessing the landscape of CO₂ storage options in depleted O&G wells and saline formations in Europe (projects, infrastructure, permits, injection rates, etc.).



OUTCOME

PreScouter recommended a pathway to investing in captured CO₂ utilization to the Client. Further, PreScouter identified, contacted, and prioritized a number of potential partners and vendors of the selected technology for the Client to engage with.



Impact of PreScouter's Work: The Client developed a commercial partnership with the company identified as the best utilization method for captured CO₂ in terms of environmental performance and profits.

