

CO₂ utilisation focused on market relevant dimethyl ether production, via 3D printed reactor and solid oxide cell based technologies

PROJECT OBJECTIVE

DEVELOPING SUSTAINABLE AND ECONOMICALLY VIABLE CO₂ CONVERSION TECHNOLOGY TO RECYCLE INDUSTRIAL CO₂ INTO DME AND FACILITATE ITS SUBSEQUENT USE

CO₂ FOKUS THREE MAJOR BENEFITS:



REDUCING CO₂ EMISSIONS TO TACKLE CLIMATE CHANGE



ADVANCING INNOVATIVE CCU (CARBON CAPTURE AND USE) AND HYDROGEN PRODUCTION TECHNOLOGIES



REDUCING THE DEPENDENCE ON FOSSIL FUELS IN THE CHEMICAL AND ENERGY SECTORS

HOW



CONVERTING CO₂ FROM LARGE SOURCES OF EMISSIONS INTO VALUE-ADDED PRODUCTS



FOSTERING THE USE OF DME AS AN ALTERNATIVE AND CLEAN FUEL



WITH AN EASY TO INTEGRATE TECHNOLOGY INTO EXISTING INDUSTRIAL FACILITIES