

<sup>5</sup>Solexperts

This study introduces NECCS (Natural Emission of Carbon dioxide with Capture and Sequestration) technology, comparing it to DACCS, which aims to capture diluted atmospheric CO<sub>2</sub>. Large-scale deployment of NECCS requires an inventory of naturally emissive sites and the development of capture technologies suitable for gases richer in CO<sub>2</sub> than the atmosphere. The CO<sub>2</sub> capture unit consists of a separation module to purify the CO<sub>2</sub>, compress it, and transport it in liquid form by truck or train in iso-containers to consumer industries (food processing, fire extinguishing, cryogenics, etc.). Long-term storage in geological reservoirs is another option. An important advantage of NECCS technology lies in the possibility of recovering co-emitted gases with CO<sub>2</sub>, such as CH<sub>4</sub> or strategic gases like helium or hydrogen. The feasibility of CO<sub>2</sub> capture from natural emissions has been demonstrated through the implementation of a factory by 45-8 Energy at the Font-