



PROJECT CYPRESS

For a Better Net-Zero Tomorrow

▶ Introducing Project Cypress

The Team

The Project Cypress team consists of Battelle, the world's largest, independent, nonprofit applied science and technology organization, which has built a reputation for delivering successful large-scale projects for nearly 100 years, and leading clean technology developers Climeworks and Heirloom.

BATTELLE

Who is Battelle?

Battelle is the world's largest, independent, nonprofit applied science and technology organization. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products, and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio since its founding in 1929, Battelle applies science and technology to solve society's most pressing needs spanning the energy, environment, infrastructure, health and life sciences, and national security industries.

climeworks

Who is Climeworks?

Climeworks is a global leader in carbon dioxide (CO₂) removal as a service via [Direct Air Capture \(DAC\) technology](#), empowering companies to advance their net zero roadmaps and fight global warming. Founded by engineers Christoph Gebald and Jan Wurzbacher in 2009, the company operates the world's first and currently only commercial DAC facility, located in Iceland. Climeworks is on a journey to climate impact at scale with integrity at its core and a focus on the highest quality, permanent removals.

Heirloom

Who is Heirloom?

Heirloom is a U.S. company that builds low-cost DAC technology that will permanently remove CO₂ at a billion-ton scale. [Their technology rapidly accelerates](#) the natural processes that enable limestone to absorb CO₂ from the air from a time span of years to days. Founded in 2020, Heirloom's technology is powered by renewable energy and will create many new green jobs in the communities they stand to serve.

What is Project Cypress?

Named for the cypress trees that clean our air and guard the Gulf Coast, the Project Cypress Hub will remove excess CO₂ from the atmosphere to prevent worsening extreme weather events, such as hurricanes, droughts, and floods, in the long term. The project combines DAC technology and proven geologic storage capacities with a talented local workforce to make Southwest Louisiana a leader in deploying a new generation of clean industry.



In Partnership with...

The Project Cypress team has received Notification of Selection from the [U.S. Department of Energy](#) (DOE) for one of the first two DAC Hubs in the U.S. under the Bipartisan Infrastructure Law's Regional DAC Hubs program. DOE's [Office of Clean Energy Demonstrations](#) (OCED) was established in December 2021 to help scale the emerging technologies needed to tackle our most pressing climate challenges and achieve net-zero emissions by 2050.

Where...

The Project Cypress DAC Hub will be sited in Western Calcasieu Parish in Southwest Louisiana, an area with a long history of leadership in significant energy projects. Project Cypress is negotiating with the Stream Companies and its Gulf Coast Sequestration for private land and subsurface CO₂ storage. Having the site of the DAC Hub in Louisiana allows the project to employ a local workforce with the skills and expertise to operate this cutting-edge facility and attract additional business to the area. This location also enables us to build a new source of workforce training opportunities in the region.

