

# The CCS Solution

Carbon capture and storage (CCS) is a safe, effective technology that can reduce CO<sub>2</sub> emissions across a variety of industries. It is key to helping meet global climate goals. According to the U.N. Intergovernmental Panel on Climate Change, Paris Agreement targets cannot be reached without CCS development. We believe that by working together to advance the deployment of CCS, we can move society toward a lower-emission future while helping Houston achieve its carbon neutrality goals.



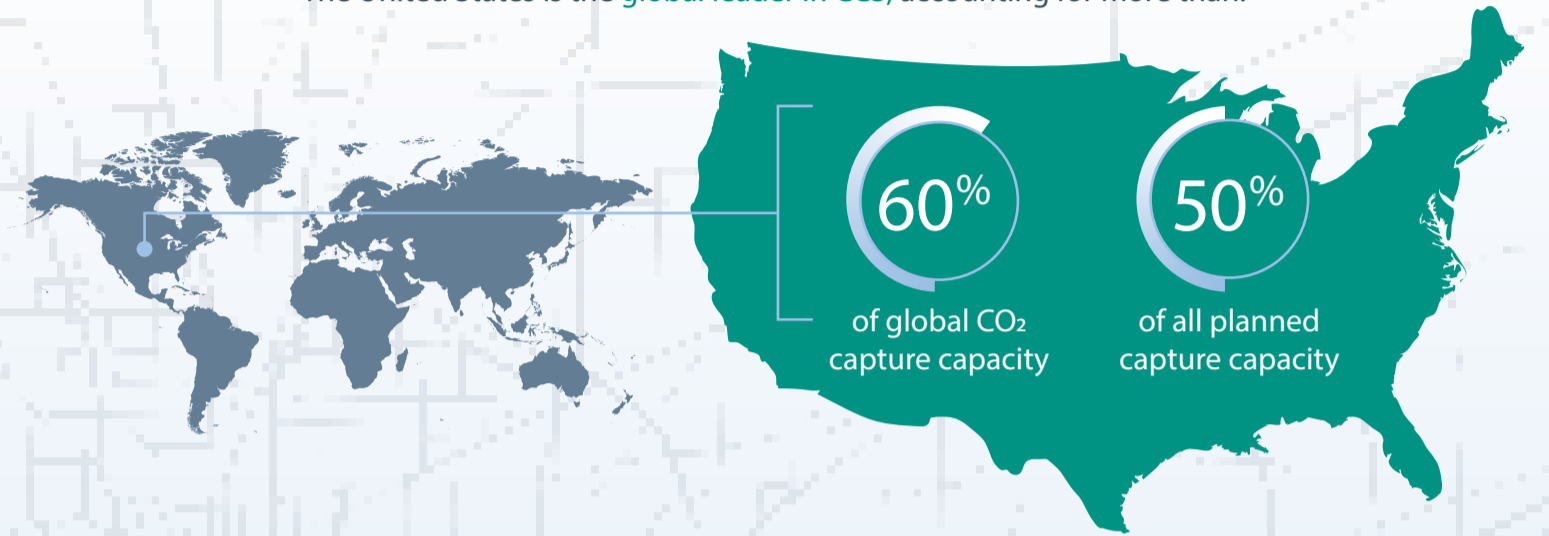
## OUR MISSION

The effort has the potential to significantly reduce emissions in one of the nation's largest concentrated sources of CO<sub>2</sub> and make Houston the model for an emerging, low-emissions world that pairs a lower-carbon future with jobs, growth, and prosperity.



## U.S. LEADERSHIP

The United States is the global leader in CCS, accounting for more than:



\*Source: International Energy Agency

## ENVIRONMENTAL IMPACT



the amount of CO<sub>2</sub> the Houston region could safely capture and store (instead of releasing into the environment), which is approximately the annual emissions of two New York Cities\*\*

\*Source: analysis of data from the U.S. Dept. of Energy (2018)  
\*\*Source: NYC Mayor's Office of Sustainability

## SAFE & PROVEN



CCS technologies have safely operated for

# 50+ YEARS



# >\$7 BILLION

the amount the U.S. Department of Energy has invested in CCS R&D since 1997

## ECONOMIC IMPACT



# 18,000+

potential annual project jobs created through CCS deployment in Texas

\*Source: Rhodium Group research



of potential private investment in the state of Texas as a result of CCS development

\*Source: Rhodium Group research

# 500 BILLION METRIC TONS\*

can be stored along the U.S. Gulf Coast

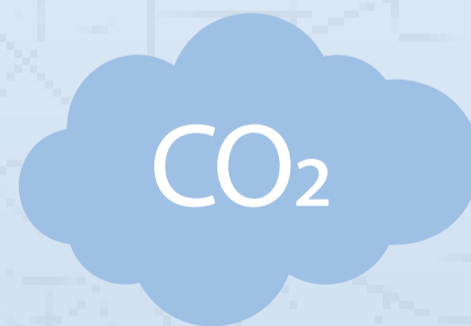
\*Source: analysis of data from the U.S. Dept. of Energy (2018)

equivalent to

# 130 YEARS

OF U.S. INDUSTRIAL AND POWER GENERATION EMISSIONS\*

\*Source: U.S. Dept. of Energy (2018)



# 40 MILLION METRIC TONS PER YEAR\*

the annual capture capacity of current CCS facilities around the world

\*Source: International Energy Agency

Houston CCS Alliance is a coordinated effort among some of the world's most innovative energy, petrochemical, and power generation companies to advance the development of CCS in the greater Houston industrial area and support the southeast Texas community.

Reimagining the Energy Capital of the World | Learn more at [houstonccs.com](http://houstonccs.com)

