

Houston

ENERGY CAPITAL OF THE WORLD



HOUSTON ENERGY
TRANSITION INITIATIVE

The Energy Capital of the World



Houston is the headquarters for virtually every segment of the industry, including exploration, production, transmission, marketing, supply, and technology.

As the energy industry evolves, Houston is uniquely positioned to lead the transition to a cleaner, more efficient, and more sustainable lower-carbon world with our expertise in developing and applying technologies at utility and industrial scale.

Because of this, Houston is already leading the way in the digitization of traditional oil and gas. It also has become a hub of activity for renewables and the development of carbon management technology. We are home to major corporate energy R&D centers, corporate venture arms, and a range of VC-backed energy startups.

Houston truly is the hub of the global energy industry, and there is no better place for the next generation of energy leaders to create and scale innovations that will change the world.

Houston is one of the youngest, fastest growing, and most diverse regions.

4th

Largest U.S. city

7.3M

Residents

3.3M

Jobs

\$537.1B

GDP

Houston is unabashedly pro-growth and opportunity-rich.

26

Fortune 500 headquarters, 3rd highest concentration in the U.S.

#3

U.S. metro for business expansion and relocation (Site Selection, '21)

Top 25

Global Cities of the Future (fDi Intelligence, Financial Times, '21/'22)

Houston is a great global city.

90+

Foreign consulates, 3rd highest concentration in the U.S.

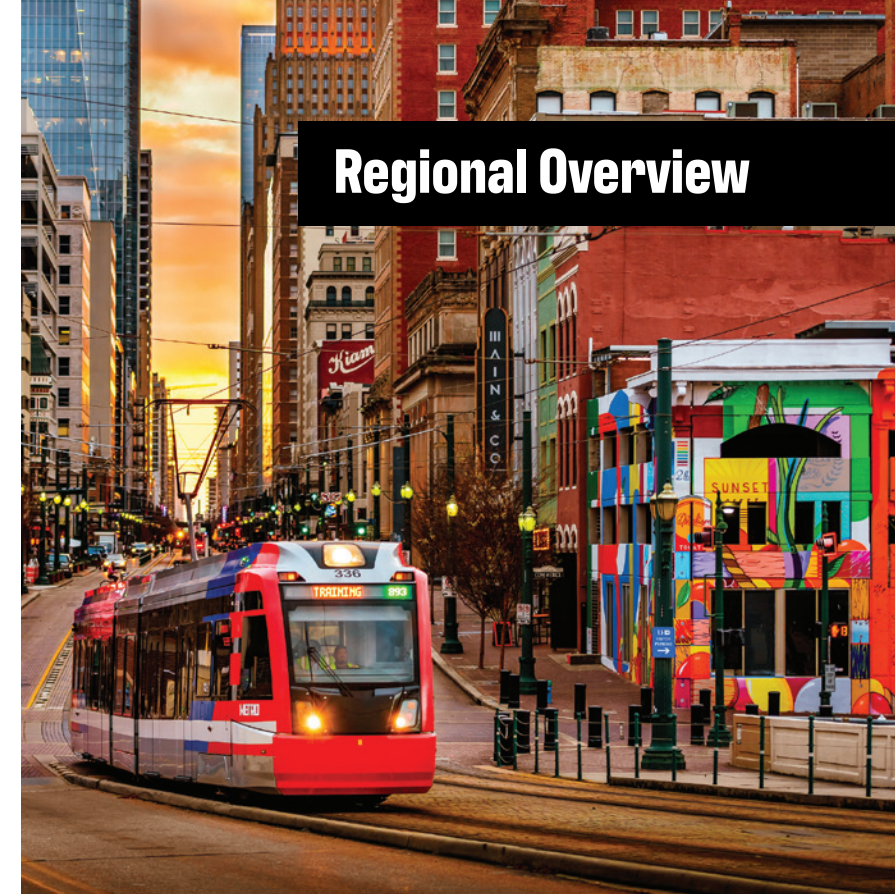
#1

Metro exporter in the U.S.

2

International airports with 180+ non-stop destinations

Regional Overview



Houston's Energy Industry



Houston is the leading domestic and international center for every segment of the energy industry.

4,700+ Energy-related firms

44.7% Of the nation's publicly traded exploration and production firms

20+ Fortune 500 energy company headquarters

Significant Oil Refining Capacity

45.4%
Of the total production in Texas

15%
Of total U.S. capacity

Houston is already leading the world in hydrogen production and distribution.

900+ miles of existing hydrogen pipelines

Over 30% of all existing U.S. hydrogen production



Houston has also become a hub of activity for renewables, with 550+ companies operating in this space.

150+
Solar-related companies

40+ Solar plant projects operating or planned

#1
State for wind capacity

40+ Wind-related companies

3 Wind power plants

144+ Online wind projects in Texas

15+
Battery storage companies



A Hub for Renewables



Talent



Houston is home to a strong university system and a large supply of young talent.

5 Nationally ranked universities and graduate schools

40+ Universities and colleges

394,000+ Young professionals with a bachelor's degree or higher

7th Largest concentration of engineers

240,000 STEM workers

Houston is a national leader in energy talent.

23.8% Of jobs in oil and gas extraction

19.5% Of jobs in drilling oil and gas wells

12.2% Of jobs in operations support

Houston is home to **66,000+** clean energy jobs.

Renewable energy

Energy efficiency

Clean energy segments

Houston has a strong education and research ecosystem for energy and energy transition.

Texas A&M Energy Institute Is a collaboration between Texas A&M University and the Texas A&M Engineering Experiment Station that engages students, researchers, and faculty in the study and development of innovative technologies and policies for energy production and energy conservation related to the energy transition.

Baker Institute for Energy Studies At Rice University focuses on the role of economics and public policy in the performance and evolution of energy markets and the industry at large through forecasting and modeling, as well as emerging technologies and regulations.

UH Energy At the University of Houston is positioned as a strategic partner to the energy industry by focusing on workforce development, strategic and technical leadership, and the development of new innovations and technologies.

TEX-E Is a first-of-its-kind collaboration between Greentown Labs, MIT's Martin Trust Center, and five Texas universities to create a student-driven entrepreneurship ecosystem in Houston focused on energy innovation. This joint effort aims to train and empower the next generation of energy professionals in creating cleaner, more sustainable energy solutions.

Texas Southern University Is home to the Innovative Transportation Research Institute that develops physical and machine learning models to characterize the impacts of complicated multimodal travel activities on the consumption of hydrogen, electric, petrochemical, and other types of energy.

UT Austin's Energy Institute Is the gateway to top scholars and experts working across the spectrum of energy, facilitating the interdisciplinary research and engagement to transform the future of energy worldwide.

Education and Research Ecosystem



Energy Innovation Ecosystem & Investment



Houston has been a center for innovation in energy for over a century and is uniquely positioned for continued advancements and emerging technologies in the energy transition.

Over the last five years, Houston has seen constant growth in annual energy transition investments, with a notable surge observed from 2020 onwards.

\$22B

in private market energy transition investments since '18

\$6.1B

in financing from private market energy transition investments in '22

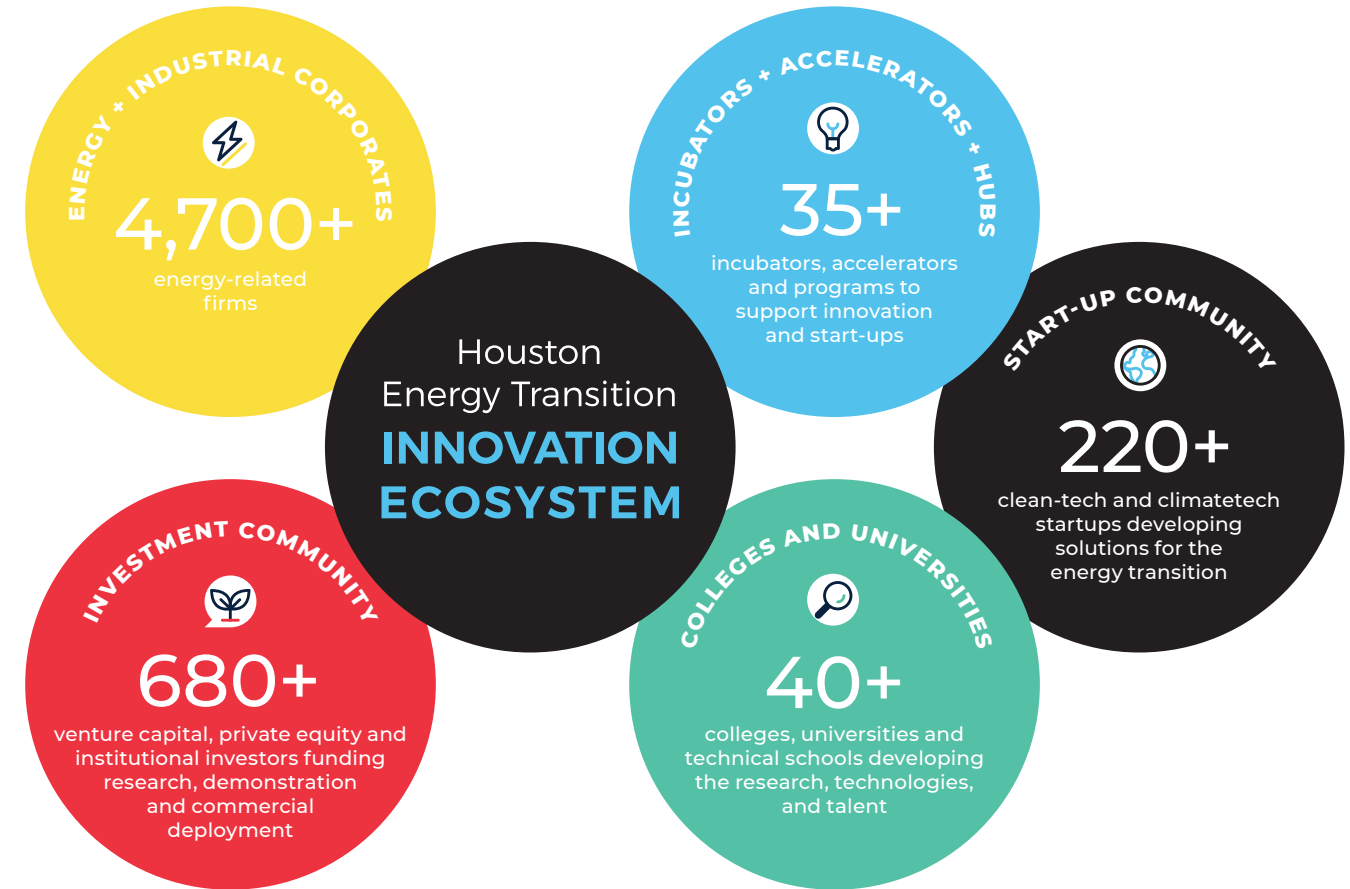
61.9%

increase in energy transition investment compared to '21

300+

investors have funded 175+ venture capital deals in the Houston region

HOUSTON IS SUPPORTING A FAST GROWING ENERGY INNOVATION ECOSYSTEM



Houston's Energy Transition Initiative

The Greater Houston Partnership is a collaboration of community-minded business leaders dedicated to strengthening Houston's long-term growth and economic competitiveness, creating economic growth and opportunity for all.

The economic vitality of our region's economy is inextricably tied to the energy industry — an industry that is changing rapidly to meet growing global energy demands while simultaneously pursuing decarbonization. The Partnership's Houston Energy Transition Initiative (HETI) builds on the best of traditional energy skills and systems to leverage Houston's industry leadership to accelerate global solutions for an energy-abundant, low-carbon future.

HETI Executive Members



23+

Companies representing the full energy value chain, committed to accelerating the transition to an energy-abundant, low-carbon world

25+

Companies participating as HETI Investors in key industry vertical working groups

25+

Organizations representing Houston's energy stakeholders — including government, academia, NGOs, e-NGOs, and community leaders



HETI has established sector-specific working groups to advance areas where Houston has a strategic advantage. Active working groups include:

Carbon Capture, Use and Storage (CCUS): Identifying and removing barriers to CCUS deployment in Houston

Hydrogen: Assessing the economic potential and environmental impact of clean hydrogen to Houston

Industry Decarbonization: Developing a unified narrative to highlight how the industry is decarbonizing within its operations

Power Management: Assessing the impact of energy transition and decarbonization for growth and resilience of Houston's regional power grid

Capital Formation: Proposing measures to help fund the energy transition by bringing capital to Houston and growing Houston's energy finance market



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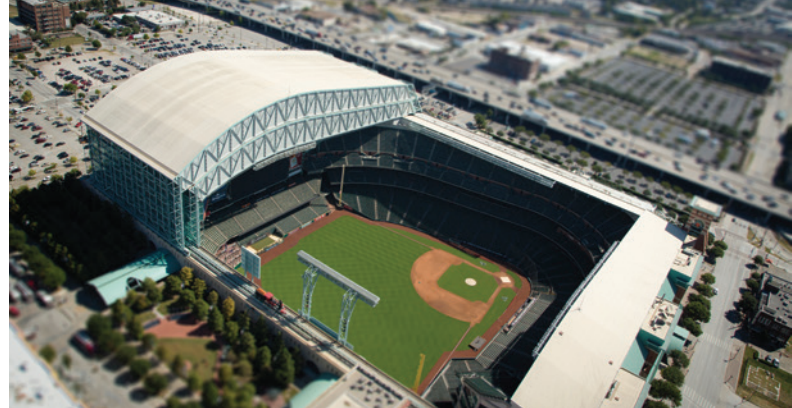
Houston has both the opportunity and a responsibility to lead the transition. It is our opportunity to embrace, and our challenge to solve. And when we are successful, we will be creating opportunity for the generations of Houstonians to come.

BOBBY TUDOR

**CHAIR, HOUSTON ENERGY TRANSITION INITIATIVE
CEO OF ARTEMIS ENERGY**



Great Quality of Life



The Houston region offers a low cost of living while maintaining an incredibly high quality of life with the amenities you expect to find in a world-class city.

#2 Lowest cost of living among the 20 most populous U.S. metros

Housing costs **34%** below the nation's 20 most populous metros, and **7.9%** below the nation's average

Houston is home to an acclaimed and extensive cultural scene.

Renowned museums and cultural centers

Resident performing arts organizations

Major league sporting teams

Houston is one of greenest cities in the U.S.

345 Miles of interconnected bikeways

Nearly **44,480** acres of parkland

382 Developed city parks

Home to **two** of the nation's **10** largest urban public parks

Houston is home to world-renowned health care.

World's largest medical complex —
Texas Medical Center

Some of the best hospitals and universities in the nation (U.S. News and World Report)



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[Houston.org/Energy](https://houston.org/Energy)

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GREATER HOUSTON **PARTNERSHIP.**

