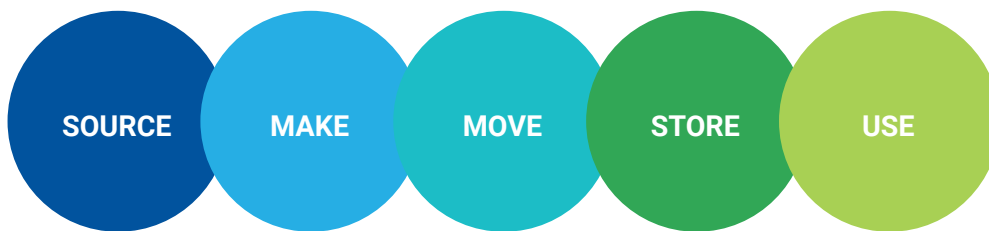




# Driving Decarbonization with GTI Energy

GTI Energy is an organization dedicated to advancing the economy-wide transformation needed to deeply decarbonize energy systems while supplying the energy needed to support rising standards of living and economic growth worldwide. GTI Energy embraces a vision for integrated, low-carbon, low-cost energy systems that leverage gases, liquids, infrastructure, and efficiency to meet the urgent challenges presented by climate change and global energy access.

With a team that includes some of the nation's top energy scientists, engineers, and thought leaders, we are helping deliver clean and resilient solutions to a growing world. GTI Energy partners with organizations around the globe to operationalize the ambitious aspirations required for the global energy transition.



## WHO IS GTI ENERGY?

Since 1941, GTI Energy has contributed to the strengthening of energy systems and the communities they serve. As a leading research and training organization, we are focused on developing, scaling, and deploying energy transition solutions that improve lives, economies, and the environment. GTI Energy leverages the expertise of our trusted team of scientists, engineers, and partners to deliver impactful innovations needed for low-carbon, low-cost energy systems worldwide. We embrace systems thinking, open learning, and collaboration to bring solutions from concept to market, with more than 1,000 patents secured in our 80-year history.

## WHAT SETS GTI ENERGY APART?

Partners benefit not only from our state-of-the-art research and engineering capabilities, but also from our iterative processes, deep subject-matter expertise, and agile teams that operationalize solutions. With leading technologists, we can leverage lessons learned to accelerate market integration, regulatory acceptance, and ultimately, energy transitions.

GTI Energy solves important energy challenges worldwide, turning technology and insights into solutions that create exceptional value for our customers in natural gas and broader clean energy systems.

We are driven by five primary objectives:

- Expanding supplies of affordable and clean energy
- Ensuring safe, efficient, resilient, and reliable energy infrastructure
- Delivering solutions for efficient and environmentally responsible use of energy
- Reducing and managing carbon emissions
- Advancing energy systems innovations that protect air, land, water, and communities while enhancing economic growth

## OUR SERVICES

- R&D
- Program Management
- Technical Testing Services
- Analytical Services
- Consulting and Strategic Planning
- Commercialization
- Education and Training



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### CASTING A VISION FOR ENERGY SYSTEMS

We're curious about the role that gases, liquids, efficiency, and infrastructure will play in low-cost, low-carbon energy systems. Post-2030, there will be an array of molecules powering our energy systems with many different characteristics, but all will be low carbon.

### OPERATIONALIZING OUR AMBITION

We've been exploring trends that will drive energy transitions, how those trends might affect energy systems and infrastructure, and where we should invest to deliver solutions that drive these advancements.

### COLLABORATION AT SCALE REQUIRED

We're enabling collaboration through the Low-Carbon Resources Initiative (LCRI) by accelerating development and demonstration of low-carbon electric generation technologies and low-carbon energy carriers.

Our portfolio is both deep and broad—with a mix of funding mechanisms addressing a diversity of energy issues. We work at all touchpoints along the energy value chain. Sourcing, producing, moving, storing, and using energy responsibly to meet carbon emission reduction goals is core to all that we do.

- Exploring the promise of hydrogen
- Creating low-carbon fuels, power, and chemicals
- Mitigating methane emissions at scale
- Enabling connected and resilient energy systems
- Revolutionizing future power generation
- Predicting the future through smart data
- Reducing our carbon footprint
- Prioritizing infrastructure safety
- Preparing tomorrow's workforce

