



MANAGING CARBON, GROWING ECONOMIES

Leveraging gases, fuels & infrastructure

CH4 Connections

International Perspectives on Reducing Methane Emissions

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DECARBONIZATION

Despite a global health and economic crisis, **corporate commitments to achieve net zero emissions by mid-century** have increased, along with the details on implementing these plans being made public



Source: Adamantine Energy

MEETING THE MOMENT

Pressure Increasing, Solutions Maturing

European Commission - Press release



Reducing greenhouse gas emissions: Commission adopts EU Methane Strategy as part of European Green Deal

Brussels, 14 October 2020

POLITICO

FOREIGN POLICY

French government blocks U.S. LNG deal as too dirty

The French trading firm Engie had been poised to sign the \$7 billion, 20-year contract.

October 21, 2020 [\[Link\]](#)

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1. Pacsi, et al. 2019. *Equipment leak detection and quantification at 67 oil and gas sites in the Western United States*. *Elem Sci Anth*, 7(1), p.29. [\[Link\]](#)

PROJECT ASTRA


Area-Scale Continuous Monitoring

Project Astra is a collaborative effort to **test** sensors, **develop** algorithms, and **launch** a 100 square mile demonstration in the Permian in 2021

Astra is teaching us what customers want in a solution:

- Exxon wants insights gained from sensors installed on Pioneer, Chevron, and BPX sites
- Majors recognize importance of adoption by smaller operators
- Solution designed to work with operators' existing data systems

GTI is leveraging lead role in developing the commercialization pathway for Project Astra outcomes to fill out our plans for demonstration of a viable MEMS business model



GTI envisions a carbon-managed future in which integrated energy systems leverage low-carbon fuels, gases, and infrastructure to limit global temperature rise.

Ambition. Innovation. Scale. Collaboration. All Required