



# Aii Newsletter

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A look back on Aii's month

## Aii Headlines

### Benjamin Dierker Published in Houston Chronicle

On September 27, Aii's Director of Public Policy wrote about the opportunity for energy producers, generators, and transporters to lead the way in reducing carbon emissions through carbon offsets.

### Aii Technology Highlights

Aii wrapped up its Technology Highlight series. This 10-part Policy Blog series explored ways in which access to technology and investments in innovation can lead to better outcomes for infrastructure and public safety.

Read more on page 2.

### Rail Safety Week

September 20-26 was National Rail Safety Week, a week intended to raise awareness for safe practices involving trains. During the week, Aii helped to spread awareness and stop track tragedies.



## Who is Aii?

An innovative think tank, Aii explores the intersection of economics, law, and policy on the topics of climate, damage prevention, energy, infrastructure, innovation, technology, and transportation.

Visit [Aii.org](https://Aii.org) to learn more.

# Articles

## Policy Blogs

### Over 99.999% of All U.S. Hazardous Material is Transported Safely

Massive oil spills, natural gas explosions, produced water leaks, and train derailments are environmental and human tragedies. These rare but terrible events grab headlines and linger in the public memory for years or even decades. [Read more.](#)

### Staying Grounded in ESG Efforts

When businesses, corporations, or entire industrial sectors focus on ESG, there is a tendency to favor decarbonization and abstract commitments to environmental stewardship. Within the energy sector, emissions are critical to account for and mitigate, but perhaps more so are the leaks and spills of volatile, hazardous, or otherwise environmentally damaging liquids. [Read more.](#)

### Carbon-neutral Gasoline Turns Renewable on its Head

Carbon-free gasoline sounds like an oxymoron. Gasoline from refined petroleum remains one of the primary emissions sources across the world due to widespread utilization of diesel and gasoline-powered automobiles. [Read more.](#)

## Technology Highlights

### Dig of the Future

Damage prevention is the first –and arguably most important– step in all of infrastructure. [Read more.](#)

### GPR for Drone Usage

This Technology Highlight will look at how aerial technology can help to prevent subterranean infrastructure from being struck during excavation. [Read more.](#)

### AI Applications for Damage Prevention

AI can be used for tuning ticket processing, monitoring multiple sources of information, building statistical safety models, and speeding up on-site repairs to damaged utilities. [Read more.](#)

### Artificial Intelligence

AI analyzes information and identifies patterns in a dataset to replicate the pattern identification process. [Read more.](#)

### Methane Detection

Methane – also known simply as natural gas – is a colorless, odorless, and highly flammable gas, which presents challenges in locating leaks. [Read more.](#)

To view the complete Technology Highlight series, [click here.](#)

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