

American Security Project

*Building a Community in Washington
to support a growing investment in
fusion*



Why Does ASP Support Fusion?

- No technology will have a greater impact on the energy, economic, and environmental security of the nation than commercial fusion power.
- America has the opportunity to create a new industry that will be the source of tomorrow's prosperity.
- With a robust partnership between investors, industry, and the government, we can ensure that the security, prosperity and jobs of the future are “Made in America”

What Fusion Will Give America



1. A **clean source of power** that will revolutionize the energy system
2. New sources of energy to **address climate crisis** in relevant time frame
3. Establishment of a **high-tech industry** that will lead the world, creating thousands of new jobs
4. Creation of an **exportable technology** that will allow America to capture a portion of the \$37 trillion in energy investment over coming decades
5. Development **spin-off innovations** in high-tech industries such as robotics, supercomputers, and superconducting materials

How ASP and its Fusion Community Works

Fusion advocacy is executed within four operational areas:

Influencing Legislation	Promoting the drafting and passing of fusion-related legislation, while securing maximum annual appropriations
Policymaker Convening	Organize briefings, hearings, panels and meetings
Publications	Columns, op-eds, fact-sheets, white papers that can educate policymakers in readable, non-scientific language on the benefits of fusion research
“Grasstops” Cultivation	Activate key influencers who can validate the promise of fusion

What has ASP Done?

Operational Areas	Since 2011
Influencing Legislation	<ul style="list-style-type: none">• In each of the last 5 years, the final funding for fusion energy sciences has been higher than the Administration’s budget request• Advocated for the adoption of the ASP 10-year plan to substantially increase fusion funding• Advocated for the creation of a new “Deputy Under Secretary for Fusion Energy” within the DOE
Policymaker Convening	<ul style="list-style-type: none">• 5 public briefings on Capitol Hill that brought fusion’s scientific leaders to Congress• Successfully advocated for the first fusion hearing in the House Science Committee for over 5 years (June 2014, and again in 2016)
Publications	<ul style="list-style-type: none">• ASP’s Fusion White Paper maps out how affordable and effective a new “Apollo” program would be• Fact sheets on fusion spin-offs, the benefits of fusion, and the science• “Fusion in America” map shows where fusion research is concentrated• ASP experts featured in <i>Washington Post</i>, <i>Forbes</i>, <i>New York Times</i>, and others.
“Grasstops” Cultivation	<ul style="list-style-type: none">• Norm Augustine (ASP Board Member) has spoken, written, and advocated for fusion research• ASP-affiliated Admirals and Generals have engaged with Members of Congress on fusion• Building advocates with Department of Energy for greater R&D commitment

Growing the Fusion Community

American Fusion Project

Mission Statement

The American Fusion Project is an educational organization that informs the public about the benefits of accelerated development of fusion as a solution to our energy, economic, and environmental challenges.

The Strategy

1. **Policymaker Education** to show the benefits of fusion and the benefits of scientific leadership.
2. **Increasing Public Awareness** of fusion as a potential source of energy.
3. **Public-Private Cooperation** to develop fusion.

Fusion Industry Association

Mission Statement

The Fusion Industry Association supports efforts to accelerate commercially viable fusion research and development. The Association promotes the interests of the fusion industry by advocating for ways to commercialize fusion power on a time-scale that matters.

The Strategy

1. **Creating Regulatory Certainty:** Ensure fusion is regulated appropriate to the risk associated with it.
2. **Promoting Public-Private Partnerships for Fusion Research:** Ensure that public and private researchers and data can easily interact and share knowledge.
3. **Driving Financial Support:** Drive sustained financing to accelerate fusion from early-stage research to commercially-relevant levels.

A New Web Presence:

www.americanfusionproject.org



The American Fusion Project

Fusion energy will revolutionize the world's energy supplies. With sustained investment today, America can take the lead in building a new industry that will provide safe, clean, and affordable energy for the future. The American Fusion Project educates policymakers and the public about the importance of accelerating the development of fusion as a source of clean, safe, secure, and



www.AmericanSecurityProject.org



Members of the American Fusion Project



General Fusion



TAE Technologies



Tokamak Energy



HyperJet Fusion



CTFusion



Los Alamos National Laboratory



Fusion One



STRONG ATOMICS



Energy Matter Conversion Corporation



University of Alabama in Huntsville



Concordia Power



Members of the Fusion Industry Association



General Fusion



TAE Technologies



Helion Energy

Helion Energy



Tokamak Energy



CT Fusion



HyperJet Fusion



Fusion One



Energy Matter Conversion



Strong Atomics

Help us create a community for innovative fusion research

- **If you are interested in actively supporting Innovative Fusion Research, JOIN US!**
 - Membership in the American Fusion Project does not imply lobbying by your organization. This is affiliated with ASP's 501(c)3 educational organization; it will speak about the benefits of a fusion industry.
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