





Hydrogen Fuel Cell Nexus February 14, 2018 PI: Alleyn Harned
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1401 Technology Drive
Harrisonburg, VA 22802

Hydrogen Fuel Cell Nexus Business Directory and Matchmaker



What is this Directory?

http://www.hfcnexus.com

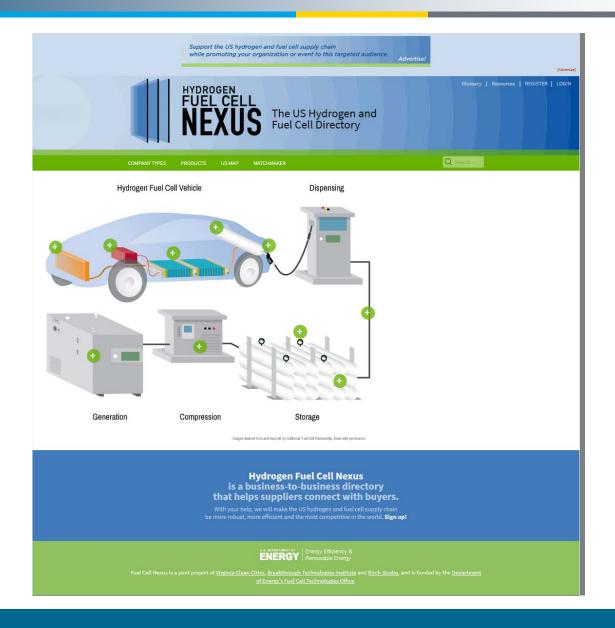
Hydrogen Fuel Cell Nexus is a business-to-business directory that helps suppliers connect with buyers.

Hydrogen Fuel Cell Nexus is a joint project of Virginia Clean Cities, Breakthrough Technologies Institute and Birch Studio. This project was the result of a competitive solicitation and funded by the Department of Energy's Fuel Cell Technologies Office from FY15 solicitation.

With your help, we will make the US hydrogen and fuel cell supply chain be more robust, more efficient and the most competitive in the world.

Home screen





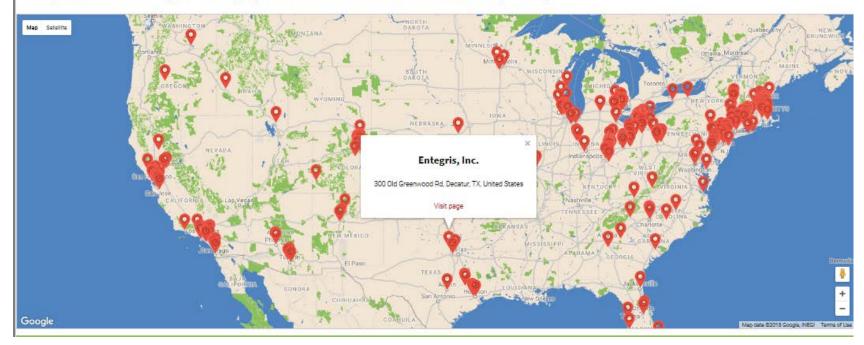
US Map





Hydrogen and Fuel Cell Suppliers in the US

The map below shows the locations of organizations in the Hydrogen and Fuel Cell Database across the US. You can zoom in and click on pins to navigate.



Search by Product





Company Page



- Updates, features
- Added map, update logos →

Original Company Page Layout



Updated Company Page Layout





Company Type: Hydrogen Generation/Supply

Description: Air Liquide aims to deliver innovative gas solutions and technologies to a wide range of customers, driving their performance and helping them reduce their environmental impact. No matter where, we make sure our solutions are safe, reliable, cost-effective and sustainable.

Products: Hydrogen Fuel, Other

Fuel Cell Type: Alkaline Fuel Cell, Direct Methanol Fuel Cell, Metal/Air Fuel Cell, Molten Carbonate Fuel Cell, Phosphoric Acid Fuel Cell, Polymer Electrolyte Membrane Fuel Cell, Regenerative Fuel Cell, Solid Oxide Fuel Cell





Advertisements added



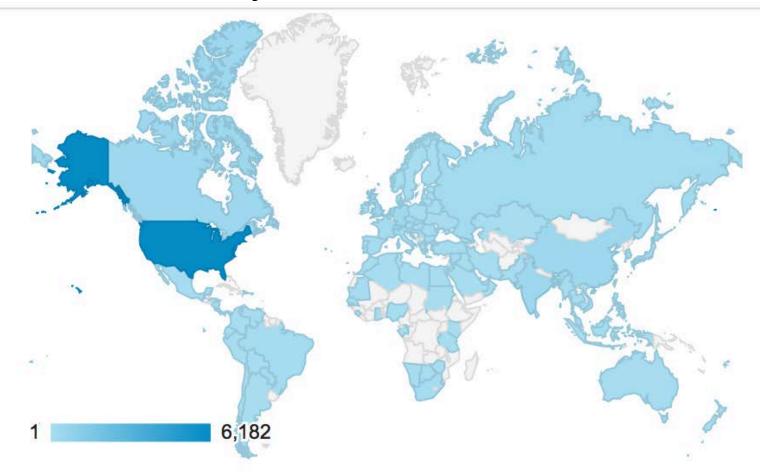


Nexus Visits are Global, US led



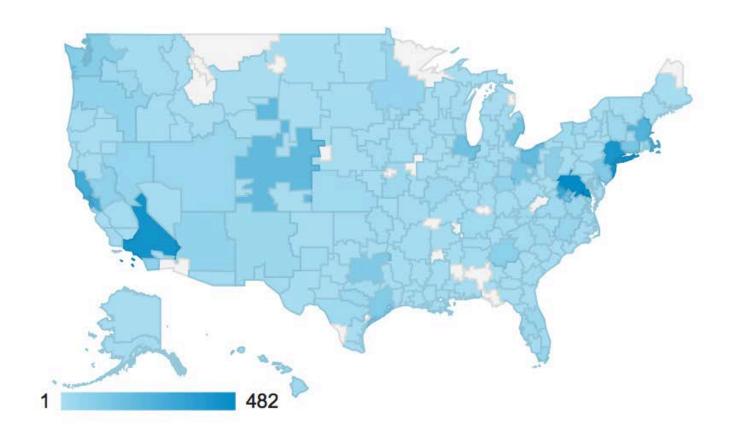
HFC Nexus Analytics

Period of July 1, 2016 to Sept 21, 2017



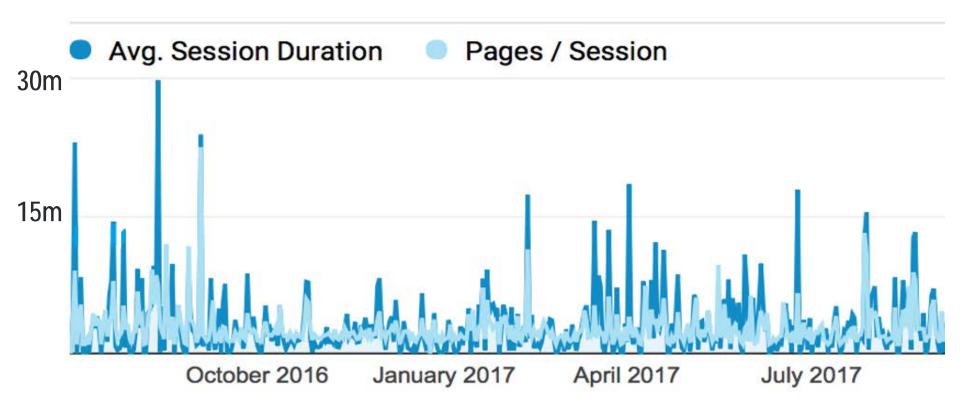
Nexus US Visits are Geographically Diverse





Use is Often Brief & Targeted





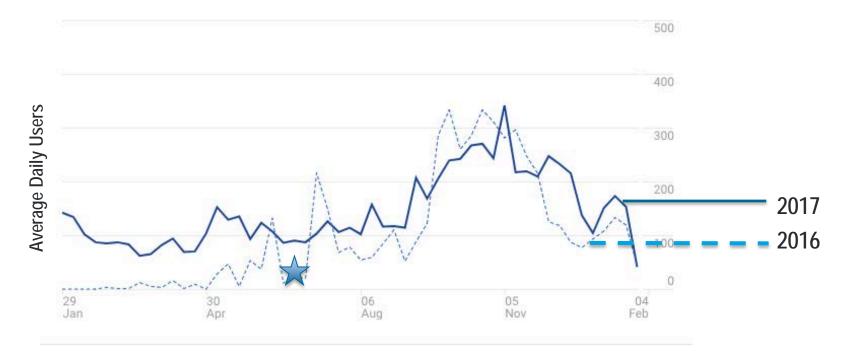
Use Trending Upward



7K Sessions Bounce Rate Session Duration 7K 8.8K 74.02% 2m 31s

142.9%

†46.5% vs last year 74.02% 2m 31s



Average Daily Users January 2016 to February 2018

Over previous year

Website Public launch July 2016 ()

Supply Chain Expansion



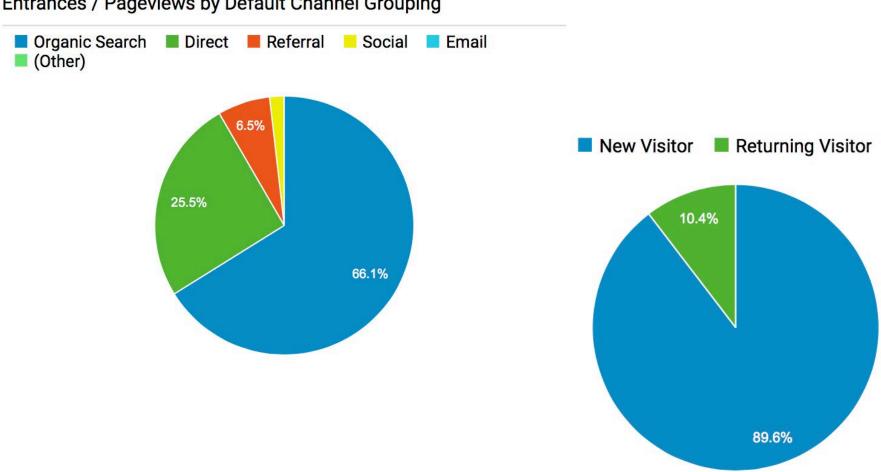
- Still early for project to have material impact on industry
- Made supply chain visible in the US
- Gone from 250 at launch to 424 companies today
- Engaged suppliers at conferences. For example, Agility Fuel Systems joined in 2017

	7/16/2016	9/5/2017	% change
Developer	27	49	81%
Supplier	135	160	19%
Manufacturer	8	51	538%
Safety	0	2	200%
Testing	12	12	0%
Hydrogen Generation/Supply	22	28	27%
Auto Manufacturer	5	6	20%
Integrator-Hydrogen System	1	0	-100%
Integrator-Fuel cell	10	16	60%
Consulting service	7	10	43%
Hydrogen Storage	2	3	50%
Other	3	4	33%
Advanced Manufacturing	0	3	300%
Educational Institution	2	2	0%
Research/Demonstration	17	3	-82%
Sales/Marketing	2	1	-50%
Association/Consortium	1	1	0%
Sales/Marketing	2	1	-50%
Total	256	352	38%

Often Found by Search Engines, Many New Visitors



Entrances / Pageviews by Default Channel Grouping



Call to Action - Sponsorship



The Value of Sponsorship

A targeted audience for your product, event or message

- 100 User Accounts
- 424 Business organizations
- 27 Product Categories
- 30 Active Daily users view the site
- Site grows in users and organizations monthly
- Ability to track and evaluate audience interaction

Advertise and Support the website

- \$4,000 per year for Leaderboards (Limit 10)
- \$3,000 per year for Category advertisements (Limit 4 per category)

Moving Forward - Brainstorm



Long term service operating beyond DOE support

Revenue needs - \$20,000 to \$80,000 annually

- Maintain tool
- Process user questions –approve and vet applications
- Provide analytics & references for industry
- Add technologies, features, and tools

Revenue ideas

- Donations and partnerships
- Sell geographic content
- Sell data, sell surveys
- Advertisements
- Other?

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