Hydrogen Fuel Cell Nexus
December 7, 2016

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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, and is funded by the Department of Energy’s Fuel Cell Technologies Office.

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.
Search by Company Type

- Air Liquide
  -based in Houston, TX
  -Delivers 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.

- Air Products & Chemicals, Inc.
  -Based in Allentown, PA
  -Air Products is the world's largest supplier of hydrogen. A commercial developer, supplier, and operator of turnkey hydrogen on-site plants. Air Products is in the forefront of developing hydrogen fueling stations for clean transportation applications.

- Altergy Systems
  -Based in Palomar, VA
  -Altergy has broken through traditional technology and cost barriers to deliver the most cost-effective and reliable backup power solutions available. Altergy's zero-emission proton-exchange membrane (PEM) fuel cells deliver the quality on-demand power and reliability through capabilities required for telecommunications, broadband, data centers, traffic signaling, homeland security, and other essential 24/7 operations.

- Ardica Technologies, Inc.
  -Based in San Francisco, CA
  -Ardica is creating mobile power solutions with our unique technology for the military and consumer markets. Using novel fuel chemistries, fuel cells, and clever engineering, we are designing products that deliver more energy for less weight and volume than ever before.
Search by Product
Search by Product

ELECTROLYZER
A process that uses electricity, passing through an electrolyte solution or other appropriate medium, to cause a reaction that breaks chemical bonds (e.g., electrolysis of water to produce hydrogen and oxygen).

American Elements
Los Angeles, CA
American Elements is the largest global supplier of electrode and electrolyte materials for the solid oxide fuel cell industry. Many state-of-the-art approaches to SOFC microstructures were first developed by American Elements' facilities.

Giner, Inc
Newton, MA
Giner/GES carries out research and development in applied electrochemistry in the fields of hydrogen-air, hydrogen/oxygen, regenerative, and direct methanol fuel cells. Giner also develops advanced prototype PEM-based water electrolysis systems.

Heraeus Circuits and Components
West Conshohocken, PA
Heraeus Materials Technology LLC is a manufacturer of thick film pastes for SOFC's. Heraeus manufactures anode, cathode, electrolyte and current collector pastes for SOFC's. Heraeus also manufactures pastes according to customer specific formulas.

ITM Power
Anaheim, CA
ITM Power specializes in the manufacture of integrated hydrogen energy systems and state-of-the-art PEM electrolyzers. Founded in June 2001, the company floated on the Alternative Investment Market (AIM) in 2004 and was the first United Kingdom-based fuel cell company to go public. ITM Power operates out of two premises in Sheffield, UK with further offices in Germany, France, the USA and Canada.
ITM has a network of hydrogen refueling stations around the world and also a world leader in the design, construction and operation of hydrogen energy storage systems. Our systems absorb excess electricity in a fast, efficient and reliable manner for use in fuel cells, direct injection into gas pipelines, syngas methane production and liquid fuel synthesis. Our systems are rapid response meaning they can be used for grid ancillary services such as demand response frequency regulation and renewables integration.
AIR LIQUIDE

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: Other

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# of US Employees: 500-2000

Last updated: July 10, 2008

Fuel Cell Nexus is a joint project of Virginia Clean Cities, Breakthrough Technologies Institute and BioEnergy, and is funded by the Department of Energy’s Fuel Cell Technologies Office.
US Map
Company Info in Map

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.

[Map Image]

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Matchmaker Function - Seeking

SEEKING
This page lists organizations that are seeking products, goods, services, etc. in hydrogen and fuel cell markets.

X COMPANY
High-pressure valves
10,000 high-pressure valves by November 2016 or December 2016
Last updated: September 20, 2016

TRIPLE MEMBRANE CO
Heavy duty membranes with 2000 hour life cycle and high efficiency coefficient
12,000 membranes per month for the next year and the year after that.
Last updated: September 20, 2016
Matchmaker - Seeking

High-pressure valves

SEEKING
I am seeking: 10,000 high-pressure valves by November 2016 or December 2016
Specifications: High-temp operation, plated, fancy-finish.

Fuel Cell Type: All
Categories: High Pressure Plumbing

CONTACT
Company: X Company
Names: David Robinson
My role is Sales

Reply to this Matchmaker Request

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**Matchmaker Function - Offering**

**HYDROGEN PROS CONSULTING**

**Consulting**

Advice on how to integrate various pieces, parts, software, grid tie-ins, policy and operational elements of fuel-cell and hydrogen related activities.

**Last updated: September 21, 2016**

**TEST WAREHOUSE TESTER**

**Warehouse space**

I have 12,000 feet of warehouse space and fulfillment.

**Last updated: September 20, 2016**
Matchmaker - Offering

Warehouse space

OFFERING
I am offering: I have 12,000 feet of warehouse space and fulfillment.
Capabilities: We can fulfill orders for you, or provide access to our secure facility.
Can produce custom orders: No

Fuel Cell Types: Other
Categories: Compressor/Expander

CONTACT
Company: Test Warehouse Tester
Names: David Robinson
My role is: Distribution

Reply to this Matchmaker Request
Creating a Matchmaker Post

Enter title here

Welcome to the HFCleanz Matchmaker.
The form below will help us to help you, and help create a stronger supply chain at the same time.

Please click the blue Submit for Review (or Update) button in the right column to submit this Matchmaker request. After you submit, we will review your post and process accordingly. You can edit it again any time you wish.

MATCHMAKER

Post Title *
Give your Matchmaker request a title.

Seeking or Offering* *
- Seeking
- Offering

Enter how much you need, of what, by when.

Please provide the specifications that you require.

Fuel Cell Type *
For the purposes of this post, which fuel cell type(s) do you work with?
- PEMFC
- SOFC
- All
- Other
Creating a Matchmaker Post

GENERAL INFO

First Name *

Last Name *

Company

Phone *

Email *

My role is *

LinkedIn Profile

DATA SHARING

Submitting Data *
Virginia Clean Cities
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