

Why we want to leave the world a better place
for our children and grandchildren.



Current Business Model EPEX Spot

Generation

Distribution



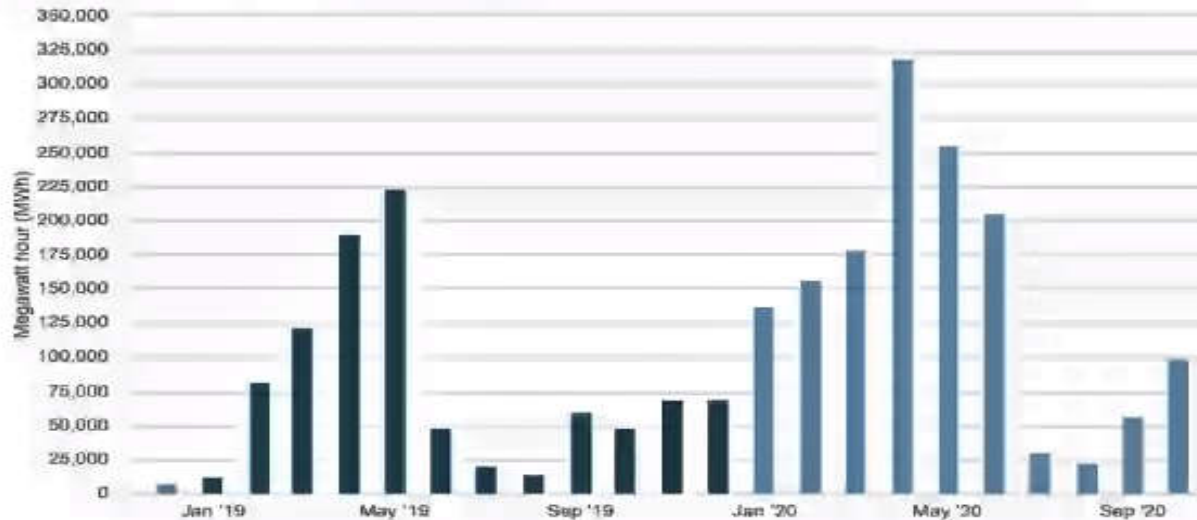
H2 Energy Now

Lost revenue 2020 California Curtailments

CAISO Wind and Solar Curtailments

1.46 TWh

2020 Jan-Sept Curtailments: 1.46 TWh



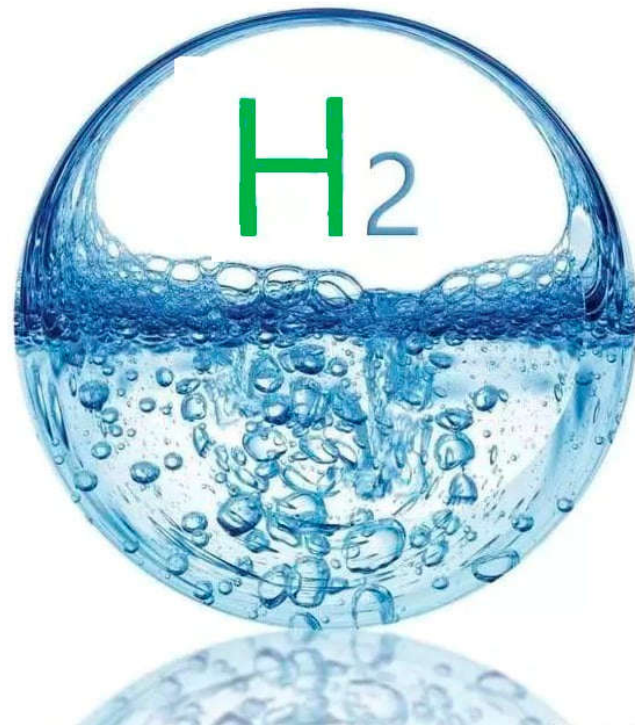
Updated as of 11/6/2020



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Glad to be of service.®

Hydrogen is an amazing molecule and can play an enormous role in the next generation power delivery, and storage



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Hydrogen Cycle

Production

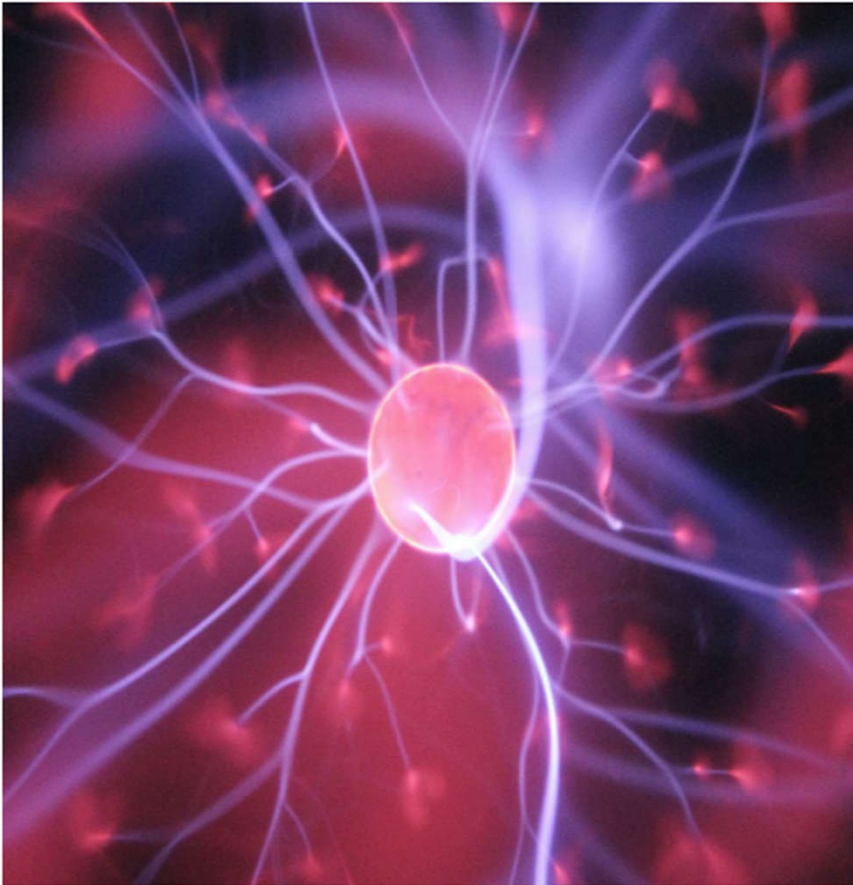
- H₂ Energy Now
- Electrolysis

Storage

- Compression
- Liquids

Back to electricity

- H₂ fuel cells
- Generators



Electromagnetic Waves

Patented process
for hydrogen
Creation

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H2 Energy Now vs

Electromagnetic Wave Disassociation

- Efficiency 88.3%
- Light and easy transport
- Capital cost is 50% less
- No rare metals
- Prototyped using Salt water

Electrolysis

Electrical Disassociation

- Efficiency 60%
- Heavy
- Capital Cost 100%
- Due to rare metals used
- Cannot use salt water

Viability

2020 Team,

Derek Lester,
Mechanical Engineering Intern,

Sonya Davidson
Founder, CEO



USA, Iowa 2020

Israel, Beer Sheva 2020

- 2019 EU Patent Granted
- 2019 USA Patent Granted
- 2020 Great Britain, France, Germany



42cm by 110 cm

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Addressable Market

- **Total Addressable Market** from Smart Energy. Com 2025 report stated energy storage market to grow to \$500 Billion by 2025.
- **Segment Addressable Market:** The initial market is 9,000 wind and solar farms in the United States, Europe, Japan and China.
- **Share Of Market:** : share of Market \$2 Billion 2% market in 5 years.

OUR TEAM



Advisors

- Dr. Martin Stone, Chemist
- Mr. Jeremy Weil, Business Advisor
- Mr. Michael Horesh, MATI Counselor
- Mr. Avigdor Shapira, Electrical Engineer
- Mr. Jeff Davidson, Start-up Advisor, CEO Keystone Nano, Inc.
- Mr. Rick Davidson PMP, Business Expert
- Mr. Efi Rosenzweig, RF Engineer.



Sonya Davidson

CEO Founder, visionary, creative and competitive entrepreneur. 5 academic and Science degrees.

Mentors

- Dr. Ed Mlvasky, Gemini Fund
- Mr. Oren Glanz, By the People

Looking to add:
Electrical Engineer experience in RF, Product development Experience

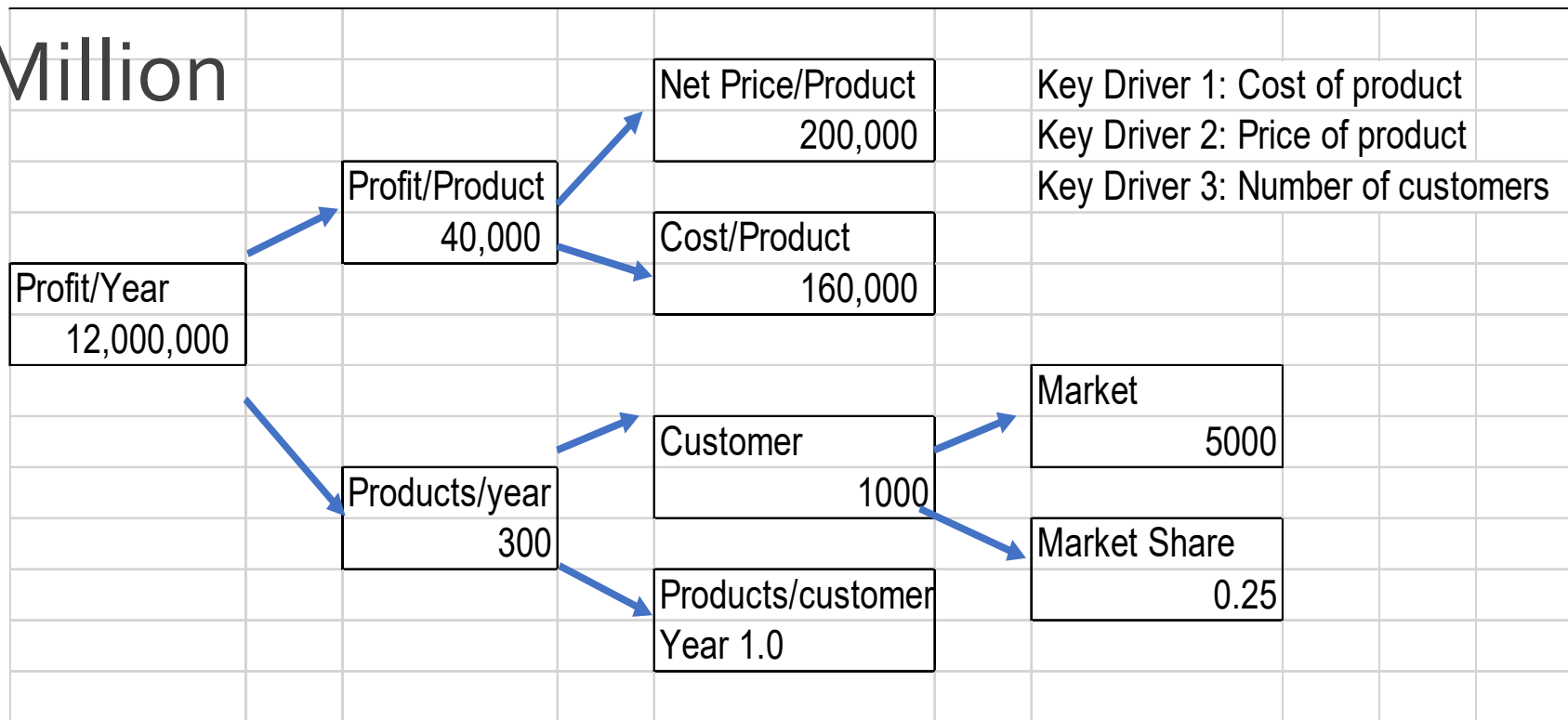
Contact me



[H2 Energy Now.com](http://H2EnergyNow.com)

Financials at 100 kg a day, Electrolysis cost \$325000

12 Million



Milestones

- 2021 Space Com Entrepreneurial Summit Jan-Feb 2021
- 2021 Vanderbilt University, MBA students
- 2020 Additional Patents in Germany, France, Great Britain
- 2020 Decarbonizing shipping industry in pilot, stage.
- 2020 New Energy Challenge top 9 hydrogen Companies.
- 2020 Moven-On 2020 Winner sustainable mobility
- 2019 MEA Markets Energy Storage Company of Year
- 2019 USA & EU Patents Granted.



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NASA iTech Finalist



2018 Cycle I Finalist

In recognition of the innovative solution proposed by your team as a top 10 NASA iTech finalist and in appreciation of the potential impact your idea may have on future space exploration and toward the benefit of humanity.

H2 Energy Now

Presented at the 2018 NASA iTech Cycle I Forum in Melville, New York on February 1, 2018

A handwritten signature in red ink, appearing to read 'Stephen G. Jurezyk'.

*Stephen G. Jurezyk
Associate Administrator,
Space Technology Mission Directorate, NASA*

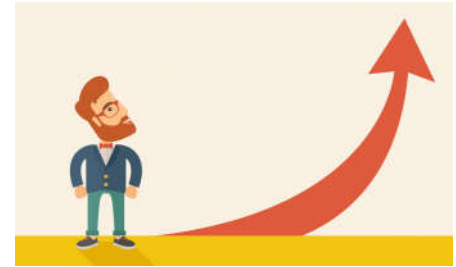
A handwritten signature in red ink, appearing to read 'Kira Blackwell'.

*Kira Blackwell
iTech Program Executive, NASA*

Lab Scale Up 100 kg of H₂ per day.

Power Input 430.2KWh,

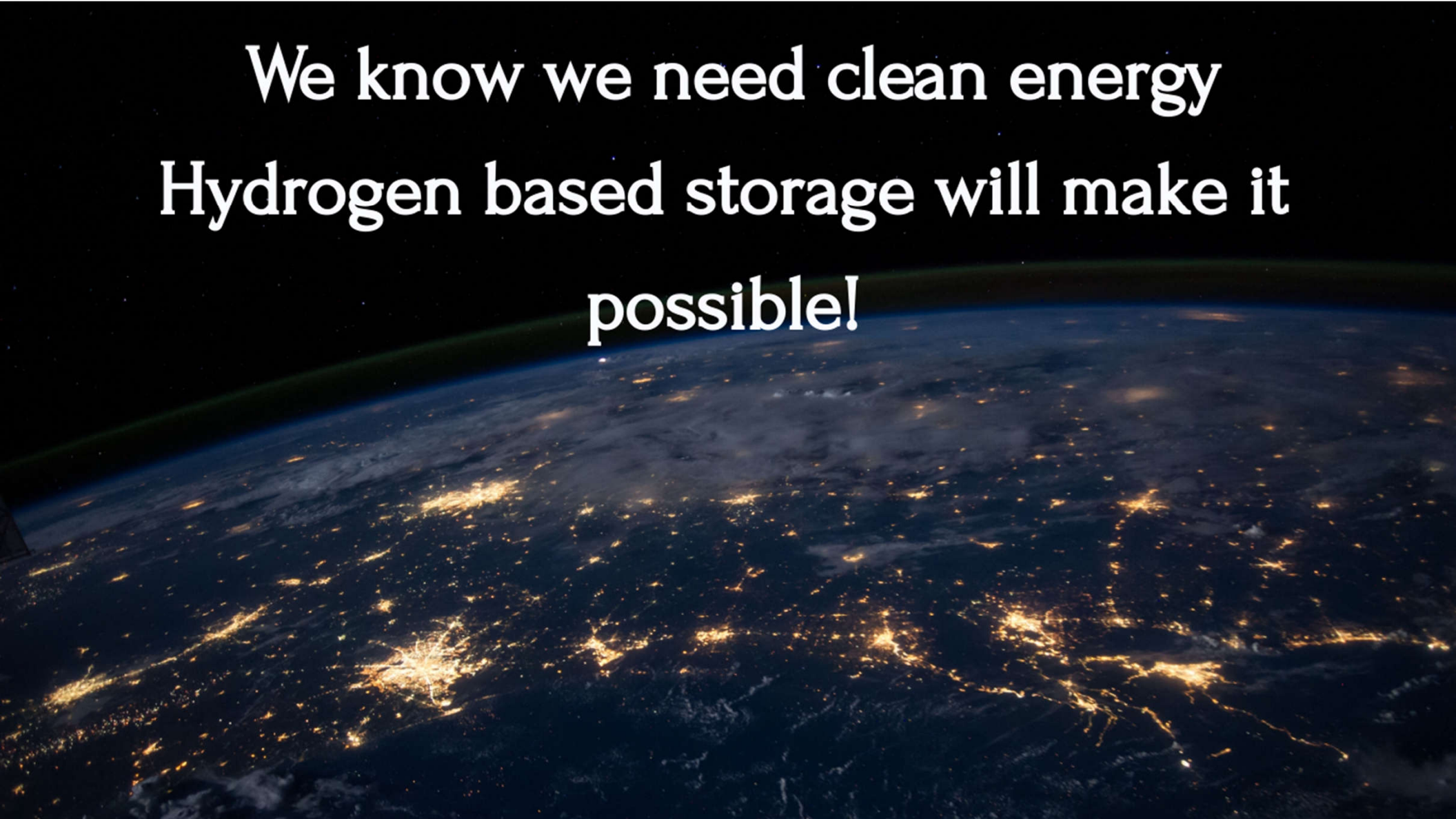
Keep our Capital expenditures less that Market:



Scale up requirements are power input 430.2 kWh, and equivalent electrolysis system will cost between \$350, 000 to \$500,000.

Our scale-up goal is out capital cost is half of an equivalent electrolysis system and lower operating costs.

**We know we need clean energy
Hydrogen based storage will make it
possible!**



Steps forward:

1. 432 KWh = 3 machines = 1 MWh
2. Additional patents in process of being filed
3. Negotiations Environmental Sustainable Innovation Lab
4. Building a list of Letter of Intents, from potential Customers. Places customers to field test. 2022
5. Fundraising

