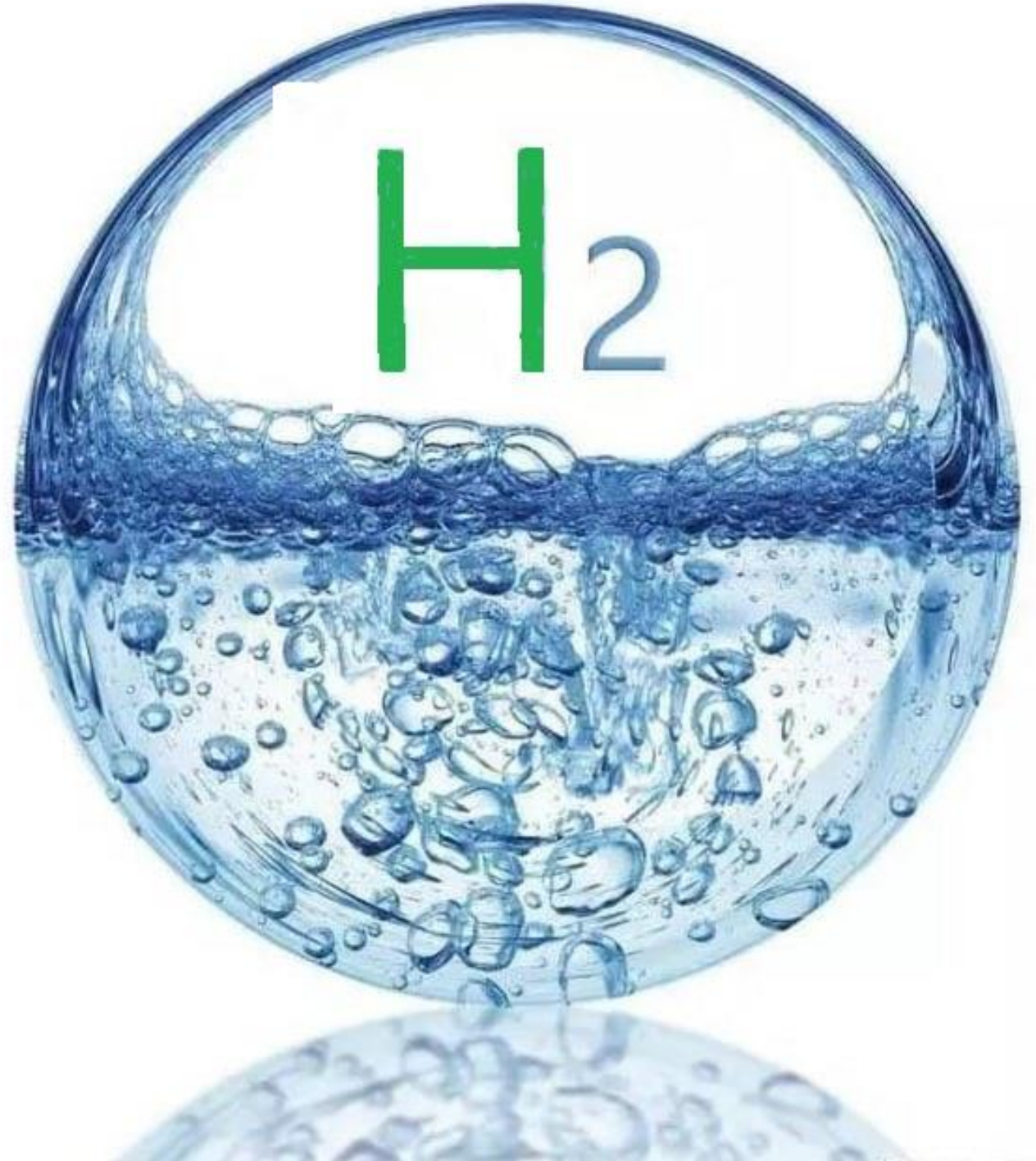


H2 Energy Now

Hydrogen Generation System

- Production by Electromagnetic Waves
 - Half CAPEX lower OPEX
 - Patents Granted
- Proof of principal prototype
- Electrolyzer costs have risen 20%-45% since 2021



Electrolysis problem Solving

- 60% Efficiency
- High Capex
- High Opex
- Rising costs 20%-45% since 2021



Current Status: The Proof of Principal Prototype



42cm by 110 cm



- ◆ Presently scaling up product to 100 Kg a day.
Testing has shown the system is higher efficiency
with a lower CAPEX, and lower Opex

Market Analysis

Total Addressable Market TAM

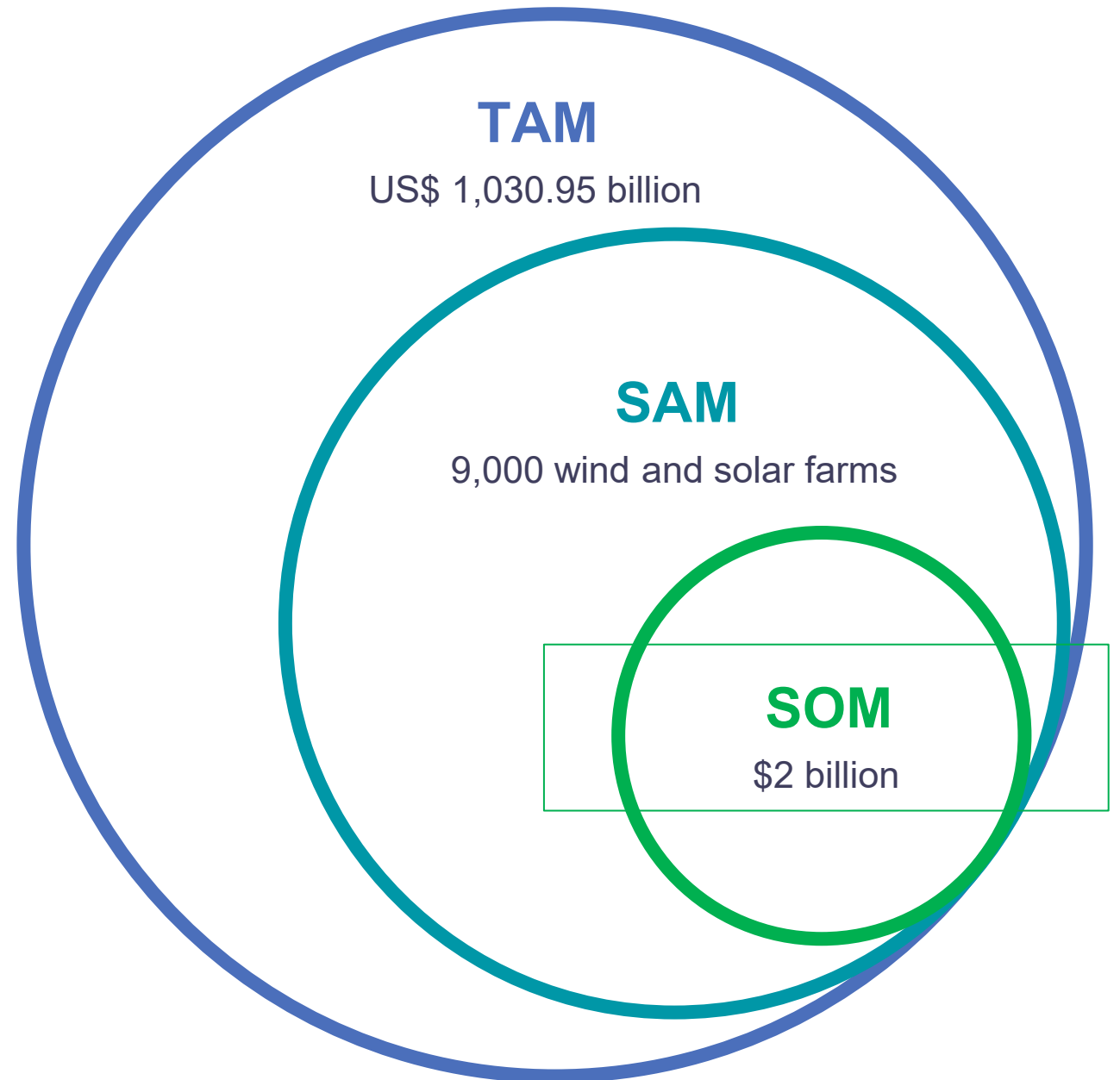
US\$ 1,030.95 billion

Segmented Addressable Market:

SAM 9,000 wind and solar farms in the United States, Europe, and China.

Share of Market: SOM

\$2 billion 2% Market in 5 years



Benefits to our customers



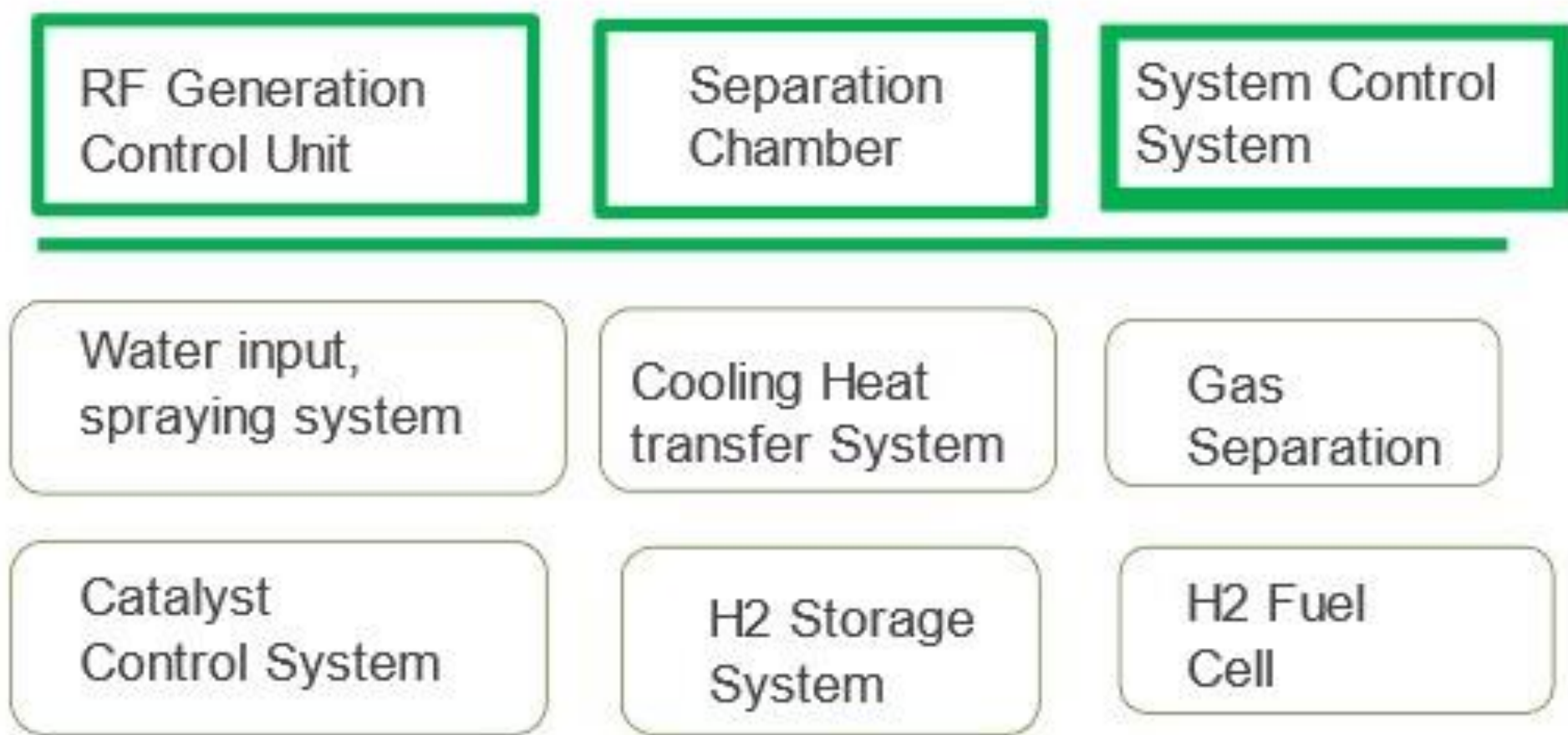
Lower cost of hydrogen.

Ability to use hydrogen immediately for chemical, green steel, and other processes .

Can store hydrogen using existing technologies already in the market and convert the hydrogen/oxygen to energy when needed.

More efficient and allows our customers to obtain a quicker return on their investment

Building the system can be broken down to sections,
Self built green boxes & off the shelf which is in clear boxes .



Water
disassociation in a
radio frequency
electromagnetic
field **Helmholtz-
Centre for
Environmental
research-UFCZ,
Department of
Environmental
Engineering,
Leipzig, Germany**

Technological Risk overcome,
validation.

What is Similar to our process.?

- Report says clearly that you can disassociate water through RF.
- Report says creation of H₂ at a steady rate.
- Gas Formation directly proportional to RF power.
- Created using an RF Generator, matching network, available
- Utilized a focused RF Field

2020 Team,

Derek Lester,
Mechanical Engineering Intern,

Sonya Davidson
Founder, CEO



USA, Iowa 2020

Israel, Beer Sheva 2020

H2 Energy Now 2023 Engineering Interns

Joey Lumer, University of Denver, Environmental Science

Noam Rochman, University of Cincinnati, Electrical Engineering,



Team has 350 years of experience

Sonya Davidson, CEO, 5 Degrees.
Engineering Interns

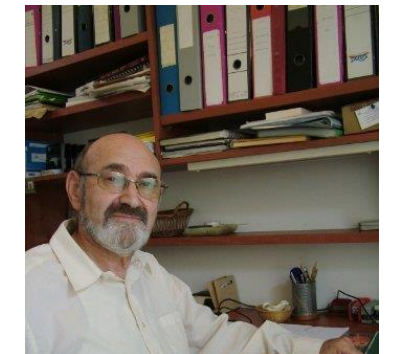
Electrical Engineer experience in RF,
Product development Experience. To
be hired.



H2 Energy Now

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



2025 Interns

Archer Haddad, Sonya Davidson, Rommy Skaff

Engineering, SIEE, Paris, CEO , City College of New York, Grove School of Engineering



Talking to potential
customers top 5

not only efficiencies,
simplicity,
reliability,
scalability,
Low capital cost,
and size.



Milestones: Traction: Intellectual Property Granted Patent Portfolio

- 2019 EU & USA

- 2020

United Kingdom

France

Germany

- Trade Secrets

- Additional Patents pending



Outside validation; in industry



NASA voted by 12 regional centers top expert of new technologies to present .



First academic paper reviewed by head of Toyota EU.



15-16 FEBRUARY 2024
VAN DER VALK
AIRPORTHOTEL
DÜSSELDORF –
GERMANY



2024 Selected and pitched as one of EU top new innovations



H2 Energy Now

Selected by Cleantech Group as one of world's top hydrogen company. The innovation showcase highlight top start-ups in the hydrogen value chain.



Product Development

- **Y Combinator Hard Tech Insights**
- **Inside The Hard Tech Startups Turning Sci-Fi Into Reality Y Combinator**
- **Hardware should focus on just a few key parts to build. Other parts buy from the market.**

Seeking € 1 mil to be used for:

R&D

Employees

Materials

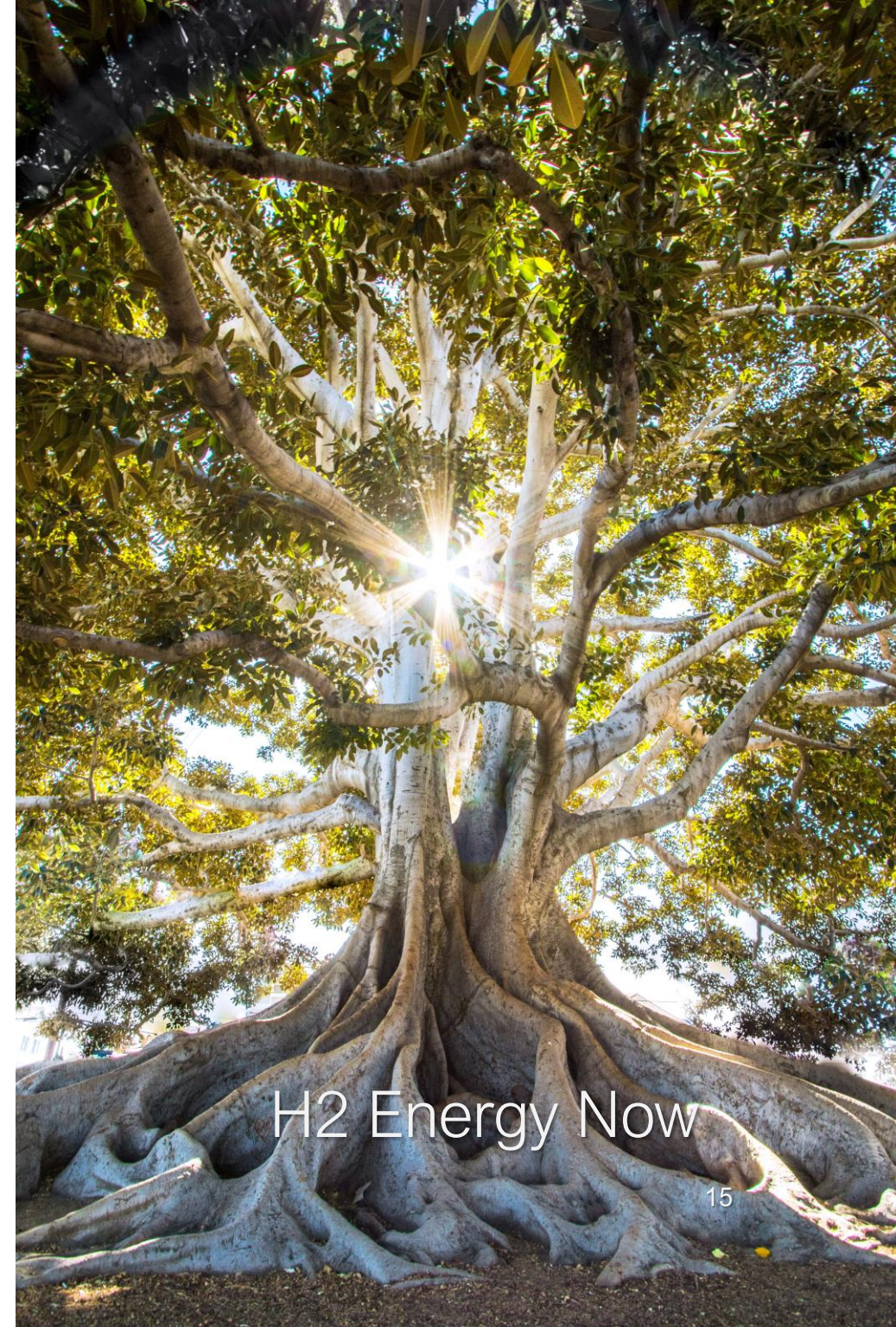
Laboratory fees

Testing verification

Regulatory standards



sonya@h2energynow.com. Sonya Davidson, CEO
<https://h2energynow.com>



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