Illustration

# Fact Sheet – July 2023


*Photo: Chief Scientific Officer Dr. Syed Mubeen holds SunHydrogen's largest prototype to-date.*

**Share Price:** $0.017
**52-Week Price:** $0.015-$0.052
**Current Assets:** >$52 million, including $30.1 million cash

**Management**
**Tim Young**: CEO, Board Chair
**Woosuk Kim**: COO
**Dr. Syed Mubeen**: CSO

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## The world's first-ever nanoparticle-based green hydrogen generator.

SunHydrogen, Inc., a US-based technology company, is dedicated to the development of breakthrough technologies to make, store and use green hydrogen across a wide range of industrial applications. The Company's core technology is its patented SunHydrogen Panel, currently in development, which harnesses the power of sunlight to split water molecules into high-purity green hydrogen and oxygen.

### SunHydrogen Highlights

• SunHydrogen's technology is the only self-contained nanoparticle-based hydrogen generation device of its kind that splits water molecules into high-purity green hydrogen and oxygen using the sun's energy.

• The Company recently entered into a Memorandum of Understanding with COTEC of South Korea, a leader in industrial electroplating with high-level clients such as Boeing, Hanwha, Airbus and more.

• SunHydrogen has been recognized by the Federal Government of Germany's 7th Energy Research Program with $3.1 million in funding for Project NanoPEC, which will bring the Company together with six partners at the cutting edge of industry and science in Germany to rapidly move SunHydrogen's technology toward commercialization.

• The Company has invested $10 million in Norway-based TECO 2030 ASA (Oslo Stock Exchange: TECO, OTCQX: TECFF), the developer of zero-emission technology for the maritime and heavy industry sectors.

## Brown Hydrogen, Green Hydrogen, and SunHydrogen

Not all hydrogen is created equal. Two distinct types, green hydrogen and brown hydrogen, have emerged as key players in the transition away from fossil fuels. **Brown hydrogen** is produced from natural gas through a process called steam methane reforming. This method releases carbon dioxide ($CO_2$) as a byproduct, contributing to climate change and carrying a significant carbon footprint due to its reliance on fossil fuels.

**Green hydrogen**, often touted as the future of clean energy, is produced through electrolysis powered by renewable sources such as wind, solar, or hydroelectric power. This process involves splitting water molecules into hydrogen and oxygen, with hydrogen being the resulting fuel. Green hydrogen is considered environmentally friendly, emitting no greenhouse gases during production or consumption.

However, existing green hydrogen technologies are facing cost and efficiency-related setbacks. Amid a challenged green hydrogen landscape, **SunHydrogen** presents a unique solution.

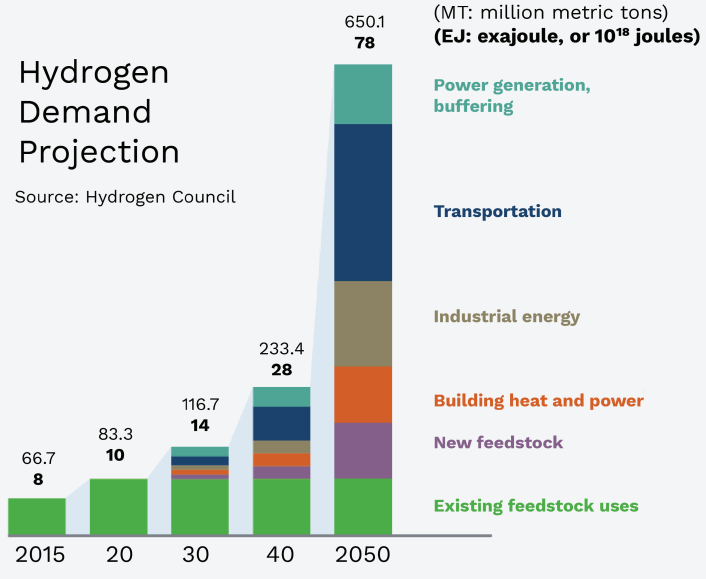
A vast majority of today's green hydrogen producers transport their product over long distances, so although the hydrogen itself is green, the delivery and transport infrastructure comes with a high carbon footprint and a significant capital investment. SunHydrogen's solution is fully self-contained, offering on-site solar hydrogen generation and local distribution to eliminate carbon footprint altogether and significantly reduce capital investments for transport and delivery. Additionally, by employing low-cost and readily available materials, SunHydrogen aims to make green hydrogen production economically feasible and scalable.

## Market Size

- Hydrogen generation is projected to become a $1 trillion per year market by 2050.
- It is estimated that roughly 25% of global energy will come from green hydrogen alone by 2050.
- Over 1,000 hydrogen projects have been announced around the world.

*Visit **sunhydrogen.com/market** to view market data sources.*

**Hydrogen generation is projected to become a $1 trillion per year market by 2050.**[1]




Matters discussed in this fact sheet may contain forward-looking statements. When used in this fact sheet, the words "anticipate," "believe," "estimate," "may," "intend," "expect" and similar expressions identify such forward-looking statements. Actual results, performance or achievements could differ materially from those contemplated, expressed or implied by the forward-looking statements contained herein. Forward-looking statements are based largely on the expectations of the Company and are subject to a number of risks and uncertainties and other factors, known and unknown, including the risk factors described from time to time in the Company's reports filed with the Securities and Exchange Commission. Forward-looking statements contained herein are applicable only as of the date on which they are made, and the Company does not assume any obligation to update any forward-looking statements, except as may be required under applicable law.