

September 28, 2021

MIURA CO.,LTD.

Clean Planet Inc.

**MIURA CO.,LTD. and Clean Planet Inc. conclude an agreement for joint development of industrial boilers that use Quantum Hydrogen Energy  
—Seeking to bring a low-carbon society to reality through the use of ground-breaking clean energy—**

MIURA CO.,LTD. (Head Office: Matsuyama, Ehime; President & CEO: MIYAUCHI Daisuke) and Clean Planet Inc. (Head Office: Chiyoda-ku, Tokyo; President: YOSHINO Hideki) have concluded an agreement for the joint development of industrial boilers that use Quantum Hydrogen Energy\* as a source of next-generation clean energy.

In order to achieve a sustainable society, it is necessary to reduce emissions of the greenhouse gases that affect the global environment. As we endeavor to realize a carbon-neutral, decarbonized global society by 2050, it is urgent that we first work to accelerate decarbonization in each country by 2030.

Clean Planet Inc. is a venture enterprise that has worked on the research and development of Quantum Hydrogen Energy, a safe, stable, and affordable source of clean energy, in order to create groundbreaking innovations in the energy industry, a vital element of social infrastructure. Quantum Hydrogen Energy is currently attracting attention globally, and large companies and investors representing every industry are beginning full-scale participation in this field, as can be seen from the entry of a major US IT company. Against this background, Clean Planet Inc. has embarked on a range of cutting-edge research and development efforts in collaboration with Tohoku University, and in April 2021 began work on development for practical use for release of one kilowatt of thermal energy using Quantum Hydrogen Energy.

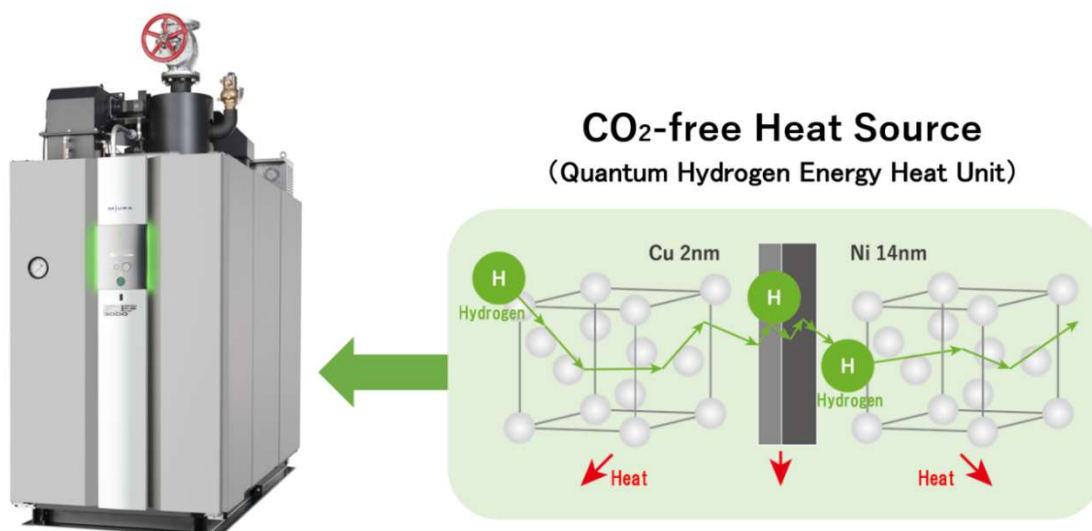
MIURA CO.,LTD. is working towards the realization of a decarbonized society using clean energy, and has adopted as its mission the goal of contributing to creating a society that is environmentally friendly and ways of living that are clean and comfortable through its work in the fields of energy, water, and the environment. In 2017 MIURA began selling hydrogen-fueled once-through boilers that emit no CO<sub>2</sub> while in operation, and in May 2021 received certification for its hydrogen-fueled steam boilers as Tokyo Metropolitan Government low NOx/low CO<sub>2</sub> small-scale combustion equipment, the first such certification by a local government body in Japan. Following MIURA's investment in Clean Planet in May 2019, the two companies have been working in concert to make clean energy a practical reality.

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The conclusion of this joint development agreement allows both companies to leverage their knowledge and technologies to push forward with full-scale development of boilers that use Quantum Hydrogen Energy, a groundbreaking source of clean energy. The development of boilers that use the enormous amounts of heat energy offered by Quantum Hydrogen Energy will, for many industries, play a key role in the realization of a decarbonized society.



#### <MIURA CO.,LTD.>

Representative: MIYAUCHI Daisuke

Address: 7 Horie, Matsuyama, Ehime, Japan

Established: May 1959

Capital: 9.544 billion yen (as of the end of March 2021)

Number of employees: 6,047 consolidated, 3,246 non-consolidated (as of the end of March 2021)

Primary business: Manufacture, sale, and maintenance of boilers and related equipment

Website: <https://www.miuraz.co.jp/>

#### <Clean Planet Inc.>

Representative: YOSHINO Hideki

Address: 10th Floor, Shin-Marunouchi Building, 1-5-1 Marunouchi, Chiyoda-ku, Tokyo, Japan

Established: September 2012

Capital: 78.88 million yen, Capital surplus: 756.21 million yen (as of the end of June 2021)

Number of employees: 12 (as of September 28, 2021)

Primary business: Research and development of technologies using Quantum Hydrogen Energy and sale of associated products

Website: <https://www.cleanplanet.co.jp/>

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**\* What is Quantum Hydrogen Energy?**

Quantum Hydrogen Energy is a next-generation clean energy technology that uses hydrogen to provide extreme energy density, more than 10,000 times that of city gas. Because it does not emit carbon dioxide (CO<sub>2</sub>), which is a factor in global warming, or radiation, which is harmful to living organisms, Quantum Hydrogen Energy is attracting attention around the globe as a safe, stable, and affordable source of clean energy that will lead the way towards the next generation of renewable energy.

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