

Press information

## **KYOCERA TCL Solar Begins Construction on 13.7MW Floating Solar Power Plant**

*Company's fourth floating solar project, world's largest, will be built on Japan's Yamakura Dam reservoir*

**Kyoto/Neuss, 21 January 2016** - In a joint venture, Kyocera Corporation and Century Tokyo Leasing Corporation announced today that Kyocera TCL Solar LLC has started construction of the world's largest<sup>\*1</sup> 13.7 megawatt (MW) floating solar power plant on the Yamakura Dam reservoir, managed by the Public Enterprises Agency of Chiba Prefecture in Japan for industrial water services.



**Rendering of the 13.7MW plant on the Yamakura Dam reservoir**

Scheduled for launch in FY2018 (fiscal year ending March 31, 2018), the plant will be comprised of approximately 51,000 Kyocera modules installed over a fresh water surface area of 180,000m<sup>2</sup>.

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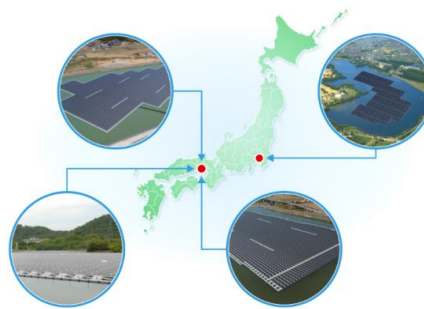
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The project will generate an estimated 16,170 megawatt hours (MWh) per year — enough electricity to power approximately 4,970 typical households<sup>\*2</sup> — while offsetting about 8,170 tons<sup>\*3</sup> of CO<sub>2</sub> emissions annually. This is equal to 19,000 barrels of oil consumed<sup>\*4</sup>.

The project was initiated in October 2014, when the Public Enterprises Agency of Chiba Prefecture publicly sought companies to construct and operate a floating solar power plant to help reduce environmental impact.

With the decrease in tracts of land suitable for utility-scale solar power plants in Japan due to the rapid implementation of solar power, Kyocera TCL Solar has been developing floating solar power plants since 2014, which utilize Japan's abundant water surfaces of reservoirs for agricultural and flood-control purposes. The company began operation of [1.7MW and 1.2MW plants](#) in March 2015 followed by the launch of a [2.3MW plant](#) in June.

With Kyocera Communication Systems Co., Ltd. responsible for construction and Kyocera Solar Corporation undertaking O&M (operation and maintenance) of these projects, the Kyocera Group is cultivating the technology and expertise to construct, operate and maintain floating solar power plants.



**Floating solar power projects developed**

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**Project Overview**

Location	Yamakura Dam (Ichihara City, Chiba Prefecture, Japan)
Operation	Kyocera TCL Solar LLC
Output	Approx. 13.7MW
Solar modules	270-watt Kyocera modules (50,904 modules in total)
Expected annual power generation	Approx. 16,170MWh/year Electricity generated is planned to be sold to Tokyo Electric Power Company, Incorporated
Construction timeline	Start of construction: December 2015 Planned launch: FY2018 (fiscal year ending March 31, 2018)
Design & construction	KYOCERA Communication Systems Co., Ltd.
Maintenance	KYOCERA Solar Corporation

**Company Overview**

Company name	Kyocera TCL Solar LLC
Location	Chiyoda-ku, Tokyo, Japan
Shareholders	Century Tokyo Leasing Corporation (81%) Kyocera Corporation (19%)
Established	August 2012
Business outline	To sell power produced from solar power generation

\*<sup>1</sup> World's largest floating solar power plant in terms of output. Claim is based on research by Kyocera TCL Solar LLC (as of January 15, 2016) of projects currently under construction and in operation.

\*<sup>2</sup> Based on average annual use of 3,254.4kWh per household. Source: Federation of Electric Power Companies of Japan (Graphical Flip-chart of Nuclear & Energy Related Topics 2015)

\*<sup>3</sup> Based on calculations derived from JPEA (Japan Photovoltaic Energy Association) standards

\*<sup>4</sup> Based on calculations derived from the United States Environmental Protection Agency's [Greenhouse Gas Equivalencies Calculator](#)

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### About Kyocera

Headquartered in Kyoto, Japan, Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which is comprised of 226 subsidiaries (as of March 31, 2015), are information and communications technologies, products which increase quality of life, and environmentally friendly products. The technology group is also one of the largest producers of solar energy systems worldwide, with more than 6 gigawatts of solar power having been installed around the world to date.

The company is ranked #552 on Forbes magazine's 2015 "Global 2000" listing of the world's largest publicly traded companies.

With a global workforce of over 68,000 employees, Kyocera posted net sales of approximately €11.74 billion in fiscal year 2014/2015. The products marketed by the company in Europe include printers, digital copying systems, microelectronic components, fine ceramic products and complete solar power systems. The Kyocera Group has two independent companies in the Federal Republic of Germany: Kyocera Fineceramics GmbH in Neuss and Esslingen and Kyocera Document Solutions in Meerbusch.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr. Kazuo Inamori — to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at present €360,000 per prize category\*).

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