

NEWS RELEASE

## **"Matsushima Donguri Solar Power Plant" Starts Selling Electricity**

Tokyo, Japan, December 25, 2020--- The "Matsushima Donguri Solar Power Plant" constructed in Matsushima Town (Miyagi Prefecture) by JDC CORPORATION, started full-scale operation on December 25th. The generated power will be sold to Tohoku Electric Power Co., Inc., and annual sales are expected to be 2 billion yen.

### ◆ Background

The site for the power plant was originally the land where our company engaged in a soil collecting business to supply earth and sand for the reconstruction of "the 2011 off the Pacific coast of Tohoku Earthquake".

Our company cooperated with Matsushima Town to attract Tohoku Synchrotron Radiation Facility as a site plan, but since it was out of the candidate site, we have been promoting a solar power generation project on the north side of the site as a second plan.

In July 2018, we obtained a license and started construction work, which was completed in November 2020. On the south side of the site, we are progressing a land readjustment project "Matsushima Innovation Hills" for the purpose of attracting investments.



**"Matsushima Donguri  
Solar Power Plant"**

### ◆ Features

The generating capacity of the power plant is 50 MW, which is equivalent to about the consumption of 18,000 households, and the annual CO2 reduction is expected to be about 29,000 tons. In order to ensure a stable supply of electric power, two chief electrical engineers are stationed and patrols the facility every day, and the module is inspected and managed by infrared photography by a drone. The operating status of the power plant is monitored remotely, and in case of an emergency, an alert mail will be sent to our staff and equipment manufacturers, so the status can be checked at our head office in Tokyo.

### ◆ Together with its Hometown

"Donguri-korokoro", which is a familiar nursery rhyme in Japan, was written by lyricist Nagayoshi Aoki, recalling the days he spent in Matsushima Town. "Donguri (acorn)" has been adopted as an image character of Matsushima Town, and the name "Matsushima Donguri Solar Power Plant" has been named to be accepted by local people. In February 2019, while under construction, we held a tour of the construction site against 130 local kindergarten children and elementary school students and, our employees held a class at school to teach the mechanism of solar power generation and the importance of renewable energy.

<Reference>

• **Relationship of Renewable Energy and JDC CORPORATION**

Our relationship with renewable energy began in 2010 with the construction of a solar power plant in Kanagawa Prefecture. Since then, we have involved in construction of 73 solar power plants (total of 1,145 MW) nationwide and has accomplished total of 18.66 million m<sup>3</sup> of earth works related to solar power generation, which is one of the largest scales in Japan.

Large-scale construction work is required to construct a solar power plant. Based on civil engineering experience cultivated over many years, our company also focuses on technology development. Introduction of a heavy machine "Scraper", which contributes to shortening the construction period, and developed a Rotary Crushing and Mixing Method (Twister Method) that can crush excavated earth into small pieces and reuse them locally are major results. These are also active in disaster recovery in areas damaged by heavy rains and typhoons.

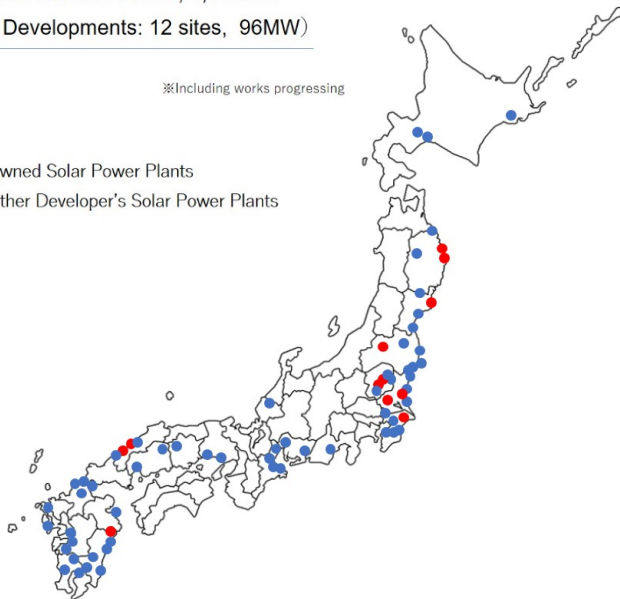
Work Accomplished Related to  
Solar Power Plants

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Accomplished Works: 73 sites, 1,145MW  
(Including Own Developments: 12 sites, 96MW)

※Including works progressing

● Sites of Owned Solar Power Plants  
● Sites of Other Developer's Solar Power Plants



"Scraper", a heavy machine that can handle excavation, loading, transportation, and laying earth



Self-propelled soil improvement machine of Rotary Crushing and Mixing Method (Twister Method)

• **Final Destination: Total power generation output of 100 MW as a Business**

Our company started solar power generation as our own business in 2013 and operate 11 power plants with a total generating capacity of about 84 MW including the "Matsushima Donguri Solar Power Plant". With addition of "the Kamiigadamachi Solar Power Plant (tentative name)" in Nobeoka City, Miyazaki Prefecture (generating capacity : 12.6 MW), which is under construction with the aim of starting operation in 2023, the renewable energy business of our company will have a total power generating capacity of about 100 MW.



### About “Matsushima Donguri Solar Power Plant”

Entrepreneur	Matsushima Solar Power Plant LLC
Investor	JDC CORPORATION Kokudo Kaihatsu Industry
Place	Hatsubaru, Matsushima Town, Matsushima District, Miyagi Prefecture
Size of Project Area	About 73 Hectares
Power Generation	50 MW
Buyer of Electricity Generated	Tohoku Electric Power Co., Inc.
Amount of CO2 reduced	About 29,000 Tons (Annual)
Amount of electricity generated (converted to number of general households)	About 18,000 households (Annual)

### About Our Solar Power Generation Business

Power Plants	12 places nationwide
Total Power Generation	96 MW
Capacity of PCS	75 MW
Amount of CO2 reduced	About 58,000 Tons (Annual)
Amount of electricity generated (converted to number of general households)	About 36,000 households (Annual)

※ Estimated scale in 2023, including “the Kamiigadamachi Solar Power Plant (tentative name)” under construction

#### 〈Contacts〉

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