

January 26, 2015

MIRAIT Technologies Corporation

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MIRAIT Technologies Corporation
Future development of renewable energy power generation projects

Today our group affiliate MIRAIT Technologies Corporation (Headquarters: Nishi-ku, Osaka, President & CEO: Fumio Takaesu) made an announcement regarding "Future development of renewable energy power generation projects."

For details, please refer to the attached document.

[For further information, please contact]
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January 26, 2015

Kobe Bussan Co., Ltd.
MIRAIT Technologies Corporation

Future developments of renewable energy generation

In accordance with the comprehensive partnership agreement entered into between Kobe Bussan Co., Ltd. (“Kobe Bussan”) and MIRAIT Technologies Corporation (“MIRAIT Technologies”) for the renewable energy generation businesses, which Kobe Bussan has been endeavoring, Kobe Bussan and MIRAIT technologies shall cooperate for EPC*1 for overall renewable energy businesses, including PV power generation, geothermal power generation, biopower generation, and wind power generation, as well as O&M businesses*2.

Among them, in the PV business, we are pleased to announce the following progress with our overall EPC business through cooperation from Kyocera Solar Corporation (“Kyocera Solar Corporation”), Toshiba Mitsubishi-Electric Industrial Systems Corporation (“TMEIC”), Huawei Technologies Japan Co., Ltd. (“Huawei Japan”)

* 1. EPC: Design (Engineering), procurement (Procurement), Construction (Construction)

* 2. O&M: Operation control (Operation), Maintenance check (Maintenance)

Note

1. Efforts towards EPC business

PV power generation as its second pillar, Kobe Bussan is planning on operating its PV power generation businesses at the scale to be of one of the largest in Japan, with its aim at becoming “the largest domestic single mega solar generator”: it includes the acquisition of a permit from METI and electric power company for the projects with power generation capacity of 355 MW (estimated annual power sales proceeds: approx. JPY 22 billion, equivalent of electricity for approx. 100,000 households). In addition, Kobe Bussan is implementing its business development in overall renewable energy generation businesses by not only focusing on PV power generation, but also geothermal power generation and biomass power generation.

Under these developments, MIRAIT Technologies will, based on the comprehensive partnership agreement for overall renewable energy businesses entered into with Kobe Bussan, collectively receive the orders for the PV EPC project which it already acquired approval and license and it will be planning, and will further work on the EPC businesses along with the alliance with Kyocera Solar Corporation, TMEIC and Huawei Japan.

2. Efforts towards O&M business

Going forward, in regards to the O&M businesses, we will implement the flexible and efficient O&M including remote maintenance of power plant equipment (PV panel, PCS*3, and power receiving transforming facilities, etc.) for 355 MW or more, including 15 MW project which is in operation through constant remote monitoring by IP and cloud technologies as well as to provide on-site maintenance services which maintenance staff are dispatched at the times of equipment failures. We will continue considering specific business structures, including establishment of joint venture entity specializing in O&M.

* 3. PCS: power conversion equipment (Power Conditioning System)

① Features of O&M

The first and the largest system ever in Japan will enable the direct monitoring of power voltage, electrical current, and temperature per panel (totaling to approximately 1.4 million locations) through IP network, and therefore also enabling the continuous assessment of power generation status in order to immediately cope with unnecessary power production due to equipment failure caused by age-related deterioration and external factors. In addition, more appropriate operational control at the power generation facilities will be achieved through large scale data collection and analysis through utilization of cloud technologies.

In developing this type of system (patent pending: patent application number: 2015-11144), we can achieve comprehensive cost reduction by utilizing resources, know-how and technologies from each company, and as compared to the costs from conventional maintenance methods.

② Establishment of Joint Venture

Kobe Bussan and MIRAIT Technologies are planning to launch a joint venture entity in order to ensure the stable and efficient operation of O&M. Furthermore, we will consider participation of additional partners.

3. Future initiatives

In addition to the PV power generation for 355 MW which is currently planned by Kobe Bussan, we will also develop more businesses with utilizing the new schemes for the overall renewable energy businesses including the PV projects being examined (100 MW or more), geothermal, bio power generation and wind power.

4. Roles and responsibilities by each party

Using its long term experience, MIRAIT Technologies will provide support for the overall businesses in regards to building of power generation systems and maintenance services, such as PV facilities construction, building of IP networks, the architecture of the systems for large scale data collection/analysis, and operation of data centers.

Kyocera Solar Corporation possesses long years of experience and know-how with O&M, in addition to providing high quality and safe devices as one of the leading solar panel suppliers, and it will help reduce total costs and provide environmentally conscious solutions by combining strengths and technologies from MIRAITS Technologies and others.

TMEIC is actively investing its management resource into environment and energy centered clean business as an industrial system integrator. Through the state-of-art power electronics technologies, TMEIC will also provide high-performance, highly efficient and high-capacity PCS perfect for the power generation systems as well as highly reliable power receiving and transforming systems.

Huawei Group is one of the world's leading ICT solutions providers and it offers a wide range of services and products including networks, ICT solutions, and terminal businesses to carriers, corporations and consumers. In addition, it is also delivering PV solutions in all over the world and it will provide PCS which helps materialize extremely high conversion efficiency through combination of digital information technologies and power/electronics technologies world-wide.

5. For more details regarding this information, please contact:

Kobe Bussan Co., Ltd.

Sakamoto and Morishita, STB Division

TEL: 079-496-6623

MIRAITS Technologies Corporation

Nakamura, Corporate Planning Office, Corporate Planning Division

TEL: 06-6446-3318

6. Corporate Profile

Name	Kobe Bussan Co., Ltd.
Address	883 Nakaishiki, Inami-cho, Kako-gun, Hyogo Prefecture 675-1127
Representative	Hirokazu Numata, President and Managing Director
Business Details	Distribution, Energy, Overseas Businesses
Capital	JPY 64 million
Date of Foundation	November 6, 1985

Company Name	MIRAITS Technologies Corporation
Address	3-3-15 Edobori Nishi-ku, Osaka-shi, Osaka Prefecture, 550-0002
Representative	Fumio Takaesu, President and Managing Director
Business Details	Information-communication, Integrated Facilities, Maintenance and Management
Capital	JPY 3.804 billion
Date of Foundation	June 15, 1960

Company Name	Kyocera Solar Corporation
Address	6 Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto Prefecture, 612-8450
Representative	Masaharu Goto, President and Managing Director
Business Details	Sales, installation, and after-sale service for PV system for residential and public/industrial use.
Capital	JPY310 million
Date of Foundation	September 20, 1996

Company Name	Toshiba Mitsubishi-Electric Industrial Systems Corporation
Address	3-1-1 Kyobashi, Chuo-ku, Tokyo, 104-0031
Representative	Kiyotaka Machida, President and Managing Director
Business Details	Sales, engineering, and installation/servicing of industrial systems and electrical products
Capital	JPY 15 billion
Date of Foundation	October 1, 2003

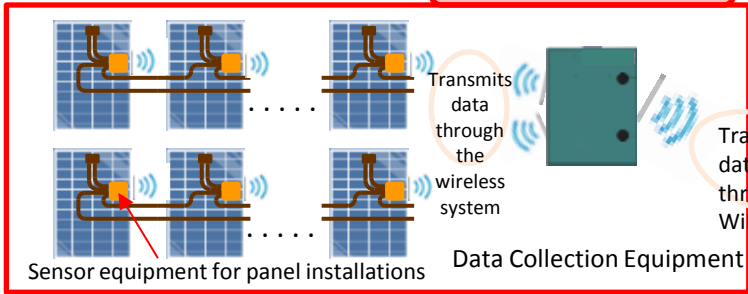
Company Name	Huawei Japan Co., Ltd.
Address	10501 Otemachi, Chiyoda-ku, Tokyo, 100-0004
Representative	Yan Lida, President and Managing Director
Business Details	Sale and support for Huawei products and solutions
Capital	JPY 450 million
Date of Foundation	November 1, 2005

End

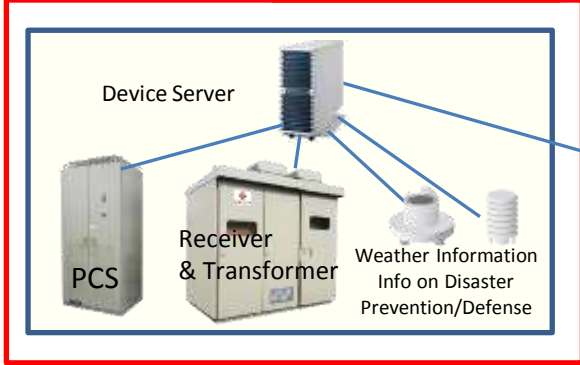
Management System Images for Solar Power Plant Operations

Solar Power Plant A

Solar Panels Data

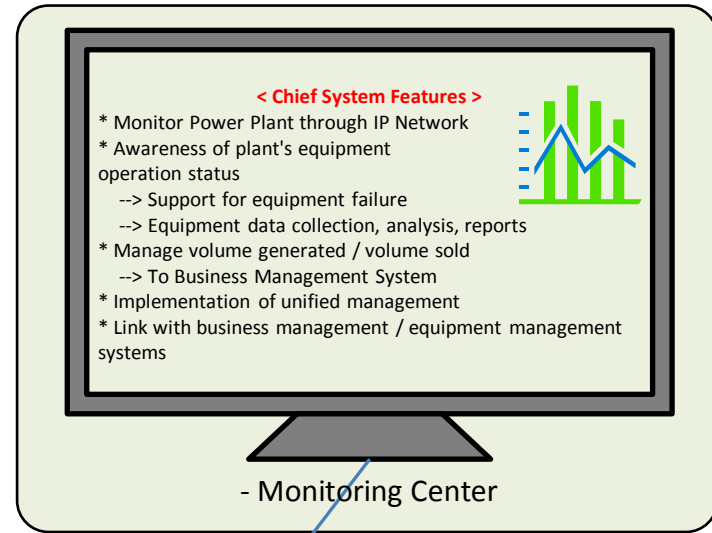


PCS Data



Wi-Fi Spot

Router

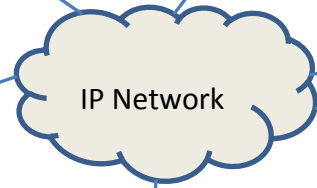


- Monitoring Center

- Control Center

- Like Kobe Product

Other Power Plant



IP Network



Power Plant's Operation Status



- Data base
- Server

- < Special Traits >
- Can directly monitor power generated by each Panels, PCS and Receiving and Transforming Facility through IP Network
 - Always aware of power generating status and can immediately respond to deterioration, equipment failure or power loss
 - Can apply optimum power plant management from high-capacity data collection and analysis