

## Introduction

The Japanese Business Alliance for Smart Energy Worldwide (JASE-World) was established on October 30th, 2008, for the promotion of overseas market development for the excellent Japanese smart energy products and technologies (products and technologies for energy conservation and utilization of renewable energy) in public-private partnership. One of the major activities of JASE-World is to publish “Japanese Smart Energy Products & Technologies” that effectively gives publicity to these products and technologies owned by the members. The first edition was published in four languages: English, Japanese, Chinese, and Spanish. Since then, revisions have been issued every year. In fiscal year 2013 and thereafter, this book has been published in six languages, with the addition of Russian and Portuguese, and from fiscal year 2015, with the addition of Vietnamese, this book has been published in a total of 7 languages. Since the publication of the first edition, the web site of JASE-World has offered the download of this book in all the languages.

JASE-World has dispatched joint public-private missions to Vietnam, Singapore, Malaysia, Thailand, Indonesia, the Philippines, India, Russia, Mongolia, the Middle East, Egypt, Morocco, Mexico, Brazil, Guatemala, Peru and Colombia. The book was used by those missions as a useful tool in their meetings with relevant authorities of the respective countries. In workshops held in the destination countries of the missions, this book was presented and distributed in actual business matching occasions, resulting in many inquiries for individual technologies. The book was also used to publicize the excellent Japanese smart energy products and technologies at international expositions on smart energy held in India, the U.S.A., China, Vietnam, Brazil, Singapore, Abu Dhabi and Malaysia.

“Japanese Smart Energy Products & Technologies” thus utilized in and out of Japan has been expanded with the 2019 version. The 2019 version contains many updated technologies as well as new technologies.

From 2018 data will only be update in English and Japanese, while the 2017 version will be available continuously online in the 5 other languages.

We hope that “Japanese Smart Energy Products & Technologies, 2019” will be used on many occasions to contribute significantly to sustainable development of countries in the world and solution of the global environmental problems, as well as further development and growth of the overseas smart energy business of Japanese companies.

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