

April 15<sup>th</sup>, 2014

## CASBEE Certification for TEDA MSD H2 Low Carbon Building in Tianjin, China

Institute for Building Environment and Energy Conservation (IBEC)

The Institute for Building Environment and Energy Conservation (IBEC) (3-5-1, Koji-machi, Chiyoda-ku, Tokyo, Japan, President of IBEC, Dr. Shuzo Murakami) certified TEDA MSD H2 Low Carbon Building for the first international CASBEE certified building as of March 18<sup>th</sup>, 2014.

Located at newly developed TEDA Modern Service District (MSD) densely with service industry such as financial and IT companies, the TEDA MSD H2 Low Carbon Building is demonstrating environmental sustainable urban development. This on-going green building features the national top level environmental high-performance and low carbon technologies; natural lighting, double-skinned facade, photovoltaic generation, solar-heat hot water supply system and geothermal heat pump system. Implementing management of building energy performance with using BAS (Building Automatic control System) and BEMS (Building Energy Management System), the TEDA MSD H2 Low Carbon Building realized the top level energy-saving. As a comprehensive green action plan, the project utilizes eco-material and water conservation with reusing water supply system of gray water and designs landscape by planting trees and roof garden. This green building has received the highest rank S certification by CASBEE.

For further details of this certification, please refer to the CASBEE website.

In order to contribute to expansion of sustainable architecture, The Institute for Building Environment and Energy Conservation is continuing to promote CASBEE certification.

### TEDA MSD H2 Low Carbon Building Certification summary

Applicant	Tianjin TEDA Development CO., Ltd
Location	The Crossing of Second Avenue and East Xincheng Avenue, Economic and Technology Development Area, Tianjin, China
Architect	ATKINS, Tianjin Architecture Design Institute
Constructor	China Construction First Building (Group) Corporation Limited
Evaluator	NIKKEN SEKKEI Research Institute (NSRI)
Building usage	Office Building (Floor Area 16,236m <sup>2</sup> )
Assessment Tool	CASBEE for New Construction (2010), Design Completion
Assessment Result	Rank S (BEE=3.4)
Certifier	Institute for Building Environment and Energy Conservation (IBEC)



**Contact : Institute for Building Environment and Energy Conservation (IBEC)**

CASBEE Information desk: [casbee-info@ibec.or.jp](mailto:casbee-info@ibec.or.jp)

CASBEE website: <http://www.ibec.or.jp/CASBEE/english/index.htm>

Address: 3-5-1, Koji-machi, Chiyoda-ku, Tokyo, Japan, 102-0083