

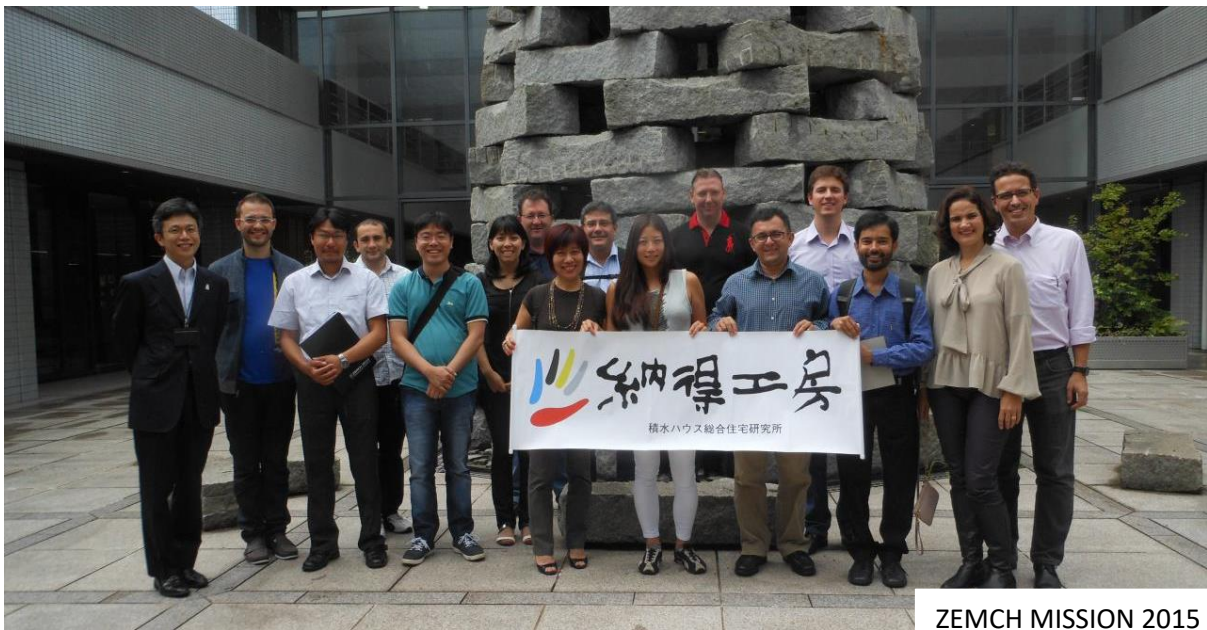


ZEMCH Mission to Japan 2019

18th – 22nd November 2019

'ZEMCH' is an abbreviation of zero energy mass custom homes that encompass social, economic and environmental sustainability as a whole. Indeed, housing is a system of energy and environment and it is required to accommodate wants and needs of individuals and society, which are usually considered to be diverse and dynamic.

The ZEMCH Mission to Japan started from 2006 and this sustainable industrialised housing technical tour has been welcoming over 200 delegates from around the world to date. As the original purpose, the ZEMCH Mission aims to offer construction industry professionals, academics and government officers opportunities to visit not only the state-of-the-art production facilities of leading housing manufacturers in Japan, but also the sales centres where a number of model homes are displayed allowing potential homebuyers to examine high-cost performance housing quality.





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During the 1960s and 1970s, Japanese housing manufacturers focused solely on the mass production of their products, resulting in a supply of virtually identical, rather monotonous houses. Due to the inferior image associated with the low-quality appearance of these mass produced houses, the public immediately rejected industrialised homes. Since then, the manufacturers have placed greater emphasis on improving housing quality, and thereby customer satisfaction, such that Japanese housing manufacturers today enjoy a reputation for providing reasonably-priced quality housing that, while still mass-produced, is customised—i.e. *mass customisation*.



ZEMCH Mission to Japan had been carried out over the last years with the aim to enhance the public awareness of zero energy homes delivered successfully around the globe. Over 200 delegates already joined the mission and developed their own ZEMCH prototypes in view of their local market needs and demands.

Japanese housing manufacturers have been at the forefront of producing marketable and replicable mass custom homes whose utility bills are as close as zero. Using techniques passed down from ancient times, Japan has developed houses suitable to its distinguish climatic conditions. For instance, there is a rigorous structure resistance to earthquakes and *typhoons*. *Open indoor environment allows for comfortable living during the hot summers*.



Home amenities studios provide potential homebuyers opportunities to understand safety, amenity and structural and environmental performances in housing by experience.



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	MORNING	AFTERNOON	EVENING
November	DEPARTURE	ARRIVAL	ACCOMMODATION
17th (Sunday)	From Local Airport	Narita International Airport or Haneda International Airport	Check-in: Shinagawa Tobu Hotel (Shinagawa, Tokyo)
DAY 1	RESEARCH LAB VISIT I	RESEARCH LAB VISIT II & III	ACCOMMODATION
18th (Monday)	University of Tokyo (Meguro, Tokyo) - Smart house - Zero energy building	Kogakuin University (Shinjuku, Tokyo) - IEQ research facilities	Shinagawa Tobu Hotel (Shinagawa, Tokyo)
DAY 2	FACTORY VISIT I & EXHIBITION VISIT I	FACTORY VISIT I (CONT.)	ACCOMMODATION
19th (Tuesday)	Sekisui House, Ltd. (Koga, Ibaraki) - Steel frame production line - Recycling facility - Zero carbon emission house	Sekisui House, Ltd. (Koga, Ibaraki) - Steel frame production line - Recycling facility - Zero carbon emission house	Check-in: Loisir Hotel Toyohashi (Toyohashi, Aichi)
DAY 3	FACTORY VISIT II	FACTORY VISIT III	ACCOMMODATION
20th (Wednesday)	Sekisui Chemical Co., Ltd. (Heim) (Toyohashi, Aichi) - Building integrated PV - 3D module assembly line - Wood & steel unit systems	Misawa Homes Co., Ltd. (Konan, Aichi) - Building integrated PV - 3D module assembly line - Multifunctional panels	Check-in: Hotel Nikko Osaka (Chuo, Osaka)
DAY 4	EXHIBITION VISIT II	NETWORK TOUR	ACCOMMODATION
21st (Thursday)	Daiwa House Industry Co., Ltd. (Sakyo, Nara) - Safety and comfort - Environmental technology - Robotics	Sekisui House, Ltd. (Airaku, Kyoto) - Universal design - Environmental considerations - Structural design	Hotel Nikko Osaka (Chuo, Osaka)
DAY 5	EXHIBITION VISIT III	EXHIBITION VISIT IV	ACCOMMODATION
22nd (Friday)	LIXIL Corp. (Osaka, Osaka) - System bath unit - Kitchen and equipment - Wall and floor tiles	UNESCO World Heritage Sites (Nara & Kyoto) - Kinkakuji - Kiyomizu-dera	Hotel Nikko Osaka (Chuo, Osaka)
-	DEPARTURE	ARRIVAL	ACCOMMODATION
23rd (Saturday)	Option: From Osaka (Kansai Int. Airport) / Tokyo (Narita Int. Airport)	Option: At Seoul, Korea for ZEMCH 2019 INTERNATIONAL CONFERENCE http://www.zemch2019seoul.org	Delegates' Choice



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REGISTRATION FORM

N.B. ZEMCH Network is a non-profit voluntary international collaboration group that contributes to facilitating generation and dissemination of the technical knoweldge in global contexts. The visiting companies and universities in Japan will be informed of the mission delegates' registration details for mutual understanding to raise future collaboration opportunities.

CONTACT INFORMATION:

Surname Name: Mr / Ms _____

Given Name: _____

Middle Initial (if any): _____

Title: _____

Organisation: _____

Address: _____

Postal Code: _____

Phone (country + area code): _____

Fax (country + area codes): _____

Email Address: _____



ZEMCH Mission to Japan 2019

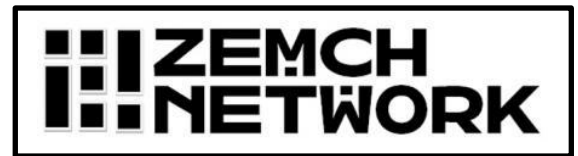
18th – 22nd November 2019

IMPORTANT DATES

2 nd September 2019	Expression of Interest
23 rd September 2019	Mission Registration Deadline
30 th September 2019	Hotel Reservation Request

MISSION ORGANISER

ZEMCH Network
E-mail: info@zemch.org



MISSION COLLABORATORS / SPONSORS



MISAWA



SEKISUI

LIXIL

