

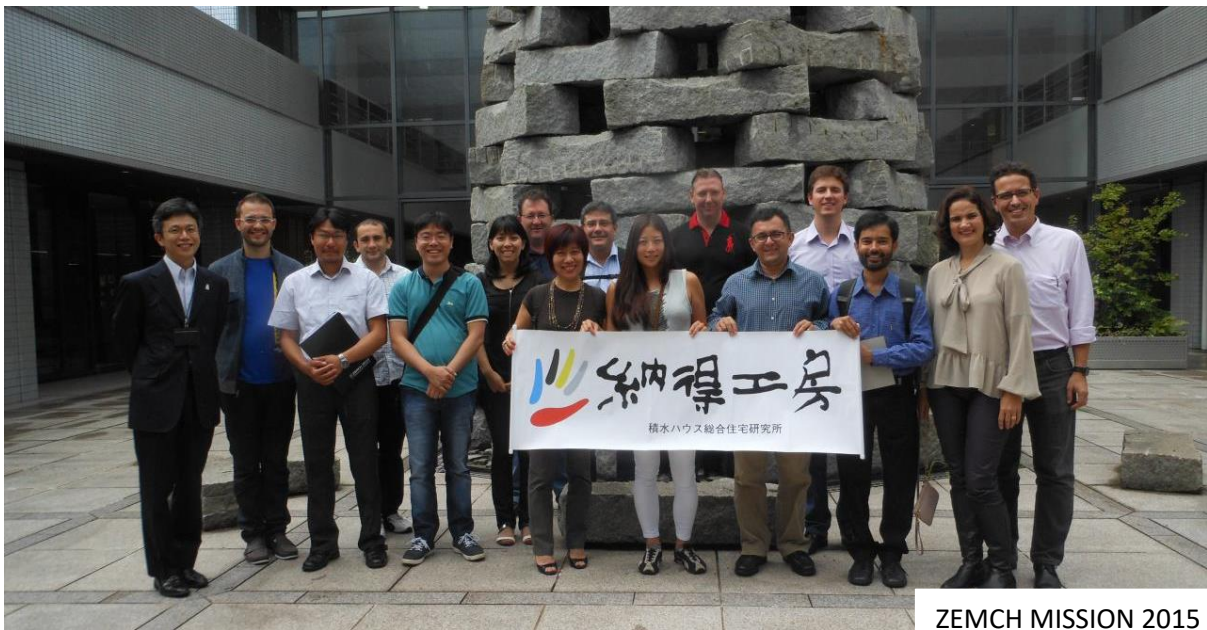


ZEMCH Mission to Japan 2018

28th May - 1st June 2018

'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 nearly 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 70 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
-	DEPARTURE	ARRIVAL	ACCOMMODATION
27th May (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
28th May (Monday)	University of Tokyo (Meguro, Tokyo) - Smart house - Zero energy building	Misawa Home Total Research Centre & Kogakuin University (Tokyo) - Research facilities	Shinagawa Tobu Hotel (Shinagawa, Tokyo)
DAY 2	FACTORY VISIT I & EXHIBITION VISIT I	FACTORY VISIT I (CONT.)	ACCOMMODATION
29th May (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
30th May (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
31st May (Thursday)	Daiwa House Industry Co., Ltd. (Sakyo, Nara) - Safety and comfort - Environmental technology - Robotics	UNESCO World Heritage Sites (Nara & Kyoto) - Kinkakuji - Kiyomizu-dera	Hotel Nikko Osaka (Chuo, Osaka)
DAY 5	EXHIBITION VISIT III	EXHIBITION VISIT IV	ACCOMMODATION
1st June (Friday)	LIXIL Corp. (Osaka, Osaka) - System bath unit - Kitchen and equipment - Wall and floor tiles	Sekisui House, Ltd. (Airaku, Kyoto) - Universal design - Environmental considerations - Structural design	Hotel Nikko Osaka (Chuo, Osaka)
-	TRAVEL	ARRIVAL	ACCOMMODATION
2nd June (Saturday)	Travelling from Osaka to Tokyo	Arrival in Tokyo	Check-in: Local Hotel of Delegates' Choice in Tokyo



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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): _____

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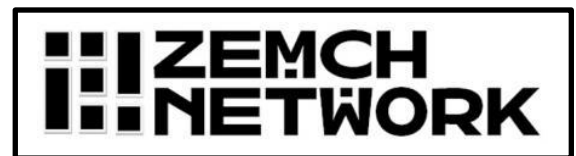
IMPORTANT DATES

31 st March 2018	Expression of Interest
7 th April 2018	Registration Deadline
14 th April 2018	Hotel Reservation Request
20 th April 2018	Mission Registration

MISSION ORGANISER

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MISSION COLLABORATORS / SPONSORS



MISAWA



SEKISUI

LIXIL

