



ZEMCH Mission to Japan 2017

24th - 28th July 2017

'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
23rd July (Sunday)	From Local Airport	Narita International Airport or Haneda International Airport	Check-in: Keikyu EX Inn (Shinagawa, Tokyo)
DAY 1	RESEARCH LAB VISIT I	SEMINAR I & EXHIBITION VISIT I	ACCOMMODATION
24th July (Monday)	University of Tokyo (Meguro, Tokyo) - Smart house - Zero energy building	Kogakuin University (Shinjuku, Tokyo) Asahi Kasei Corp. (Shinjuku, Tokyo) - Show home village	Keikyu EX Inn (Shinagawa, Tokyo)
DAY 2	FACTORY VISIT I & EXHIBITION VISIT II	FACTORY VISIT I (CONT.)	ACCOMMODATION
25th July (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
26th July (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 III	EXHIBITION VISIT IV	ACCOMMODATION
27th July (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 V	WRAP-UP TOUR	ACCOMMODATION
28th July (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)
-	TRAVEL	ARRIVAL	ACCOMMODATION
29th July (Saturday)	Travelling from Osaka to Tokyo	Arrival in Tokyo	Check-in: Local Hotel of Delegates' Choice in Tokyo



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REGISTRATION FORM

To book a place, please complete and send the following registration form to:

Dr Masa Noguchi
ZEMCH Network Coordinator
Melbourne School of Design, Building 133
Faculty of Architecture, Building and Planning
The University of Melbourne
Parkville
Victoria 3010
Australia
E-mail: masa.noguchi@unimelb.edu.au

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: _____



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IMPORTANT DATES

5 th June 2017	Expression of Interest
26 th June 2017	Registration Deadline
26 th June 2017	Hotel Reservation Request
3 rd July 2017	Online Mission Registration Fee Payment Due*

* Delegates cancelling from now until 3rd July 2017 will receive a 50% refund. There will be no refund afterwards.

COST ESTIMATE (APPROXIMATE)

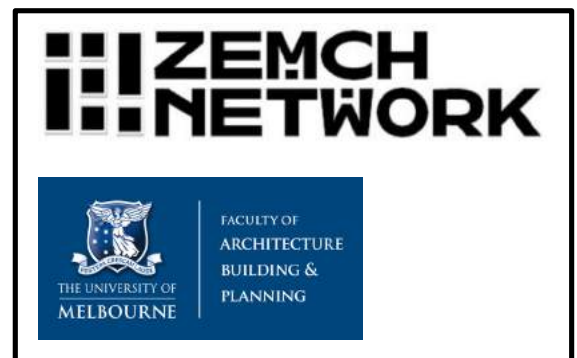
❖ Airfare:	A\$1,000	(As per the departure city)
❖ Local Train Fare:	A\$350	(Inc. Shinkansen)
❖ Accommodation:	A\$900	(\$150 per night x 6 nights)
❖ Mission Registration Fee:	A\$750	(Bus, interpreter & lunch box arrangements)**

** ZEMCH Network is responsible only for collection of the Mission Registration Fee, which will be used to cover the costs for the mission coach, Japanese-English interpreter, and 3-day bus lunch box and water arrangements. The rest of expenditures including the hotels, meals, local trains and UNESCO site entrance charges will be paid by the delegates in Japan so that all delegates can collect their own receipts.

MISSION ORGANISER

Faculty of Architecture, Building and Planning
The University of Melbourne

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MISSION COLLABORATORS / SPONSORS

