7th CEFIA Forum, Feb. 13th, 2025



Cooperative Activities of ZEB Dissemination in ASEAN Members of States

Japanese Business Alliance for Smart Energy Worldwide Manager Katsuhiko Yamamoto



Member Companies

Currently 41 of Japanese companies are the members of JASE-W.



What is JASE-W doing?





ZEB SOLUTION WG

- ZEB—(net) Zero Energy Building—is the concept that energy input and output for buildings should be ultimately equal through energy conservation and renewables.
- JASE-W set up a working group on ZEB and is holding Workshops and Seminars on ZEB for ASEAN countries. It also facilitates the creation of an ISO global standard on ZEB and has successfully enacted a Technical Specification since September 2021.







 In SEDA
 ZEB Concept Seminar
 ISO TS23764

 Japanese Business Alliance for Smart Energy World (fordechieving ZEBs)

ZEB SOLUTION WG



Step-by-Step Approach toward ZEB

The concept of ZEB has been expanded to "ZEB series" according to actual conditions. First step is to aim for super energy efficient buildings which are defined as "ZEB ready", and then aim for "Nearly ZEB" and "(net) ZEB" which is a step-by-step approach. \rightarrow **ZEB family Concept**



ISO TS23764 update

Scenard of the Langy Guiden v (SC Store Single user i	TECHNICAL SPECIFICATION	ISO/TS 23764
		First edition 2021-09
	Methodology for achieving	non-
	residential zero-energy buildings (ZEBs)	
	Æ	Reference number ISO/TS 23764:2021(E)
	ISO W	© ISO 2021

ISO TS23764 Methodology for achieving non-residential zero-energy buildings (ZEBs)

Issued on Sept. 2021 Now updating is ongoing

The purpose of the standardization is to improve practicability for ZEB by promoting the "ZEB family concept" which allows a "Step-by-Step Approach" to net zero energy buildings and to increase dissemination rate by realizing ZEB family buildings to satisfy part of all the requirements necessary to achieve (net) ZEB



Collaboration with Hanoi University of Civil Engineering

How to disseminate Zero Energy Building in Vietnam





Jan.12th 2024 MoU concluded bet. Hanoi University and JASE-W

The workshop with HUCE on Jan.8th, 2025



Collaboration with Thailand, Indonesia, and the Philippines

July 2023 Workshop With MEMR, Indonesia



July 25th 2024 ZEB seminar With DEDE, Thailand



Sept. 2024 Participation Building Green 2024 By Philippines Green Building Council



Photo from Building Green 2023



Collaboration with Sustainable Energy Development Authority ,Malaysia (SEDA)

Cyberjaya, Malaysia



Undergoing as a NEDO project Target: Nearly ZEB/net ZEB Retrofit ZEB project Partner: SEDA Malaysia Renovation will complete: 2025-2026

4-story building, Office



Pacific Consultants

Total 76% of energy consumption can be reduced.



Technologies in ZEB Approach



THANK YOU !



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https://www.jase-we.org/



The Energy Conservation Center, Japan

