

Observations and Lessons Learnt

Mr Toh Eng Shyan
Dr Edward Ang
Singapore

➤ Key takeaways of ECAP 17

- **Useful sharing on Japan's EE & ZEB experience**
 - Energy benchmarking system, ZEB family concept
 - Site visits to see latest EE technologies
- **ZEB cost premium is relatively high**
 - E.g. 12% cost premium and payback of 20 years in Japan
- **Strong and growing ZEB culture in Japan – ground up and top down**

➤ GBC/BEC action plans or roadmaps

- **Build Industry Capability on Super Low Energy**
 - Infuse SLE/ZEB concept in GM related courses
 - Conduct workshops on SLE/ZEB case studies
- **Develop case studies based on completed SLE projects**
 - NUS SDE 4 project to be launched in Jan 2019
- **Continue to focus on measurement and verification**

Challenges and possible support needed for the implementation

- Lack of Tropical case studies for reference
- Lack of sharing of latest technologies among stakeholders
- R&D for ZEB technologies