

Koh Liang Mong
Programme Director

02 Nov 2022

https://erian.ntu.edu.sg/SPECS

Classification: Restricted

# Smart grid and Power Electronics Consortium Singapore (SPECS)

# Aim

- ➤ To catalyse IP translation and create a networking platform to connect commercial companies and institutes of Higher Learning (IHLs) / Research Institutes (RIs).
- ➤ To co-develop commercialisation projects in smart grid & power electronics technologies.





Unlock the value of research investment



Accelerate technologies to market



Support industrial scale test bedding, validation, standards & certification



Foster business cooperation, market access



Build a collaborative innovation ecosystem

Supported by













Classification: Restricted 2

#### **Members**

LLE

















**MNC** 











SME / Startup



















































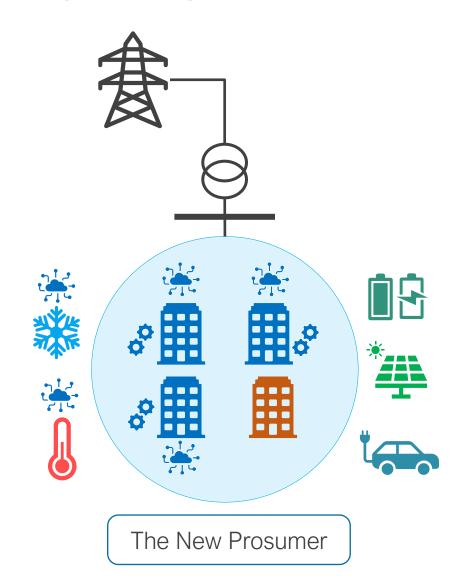


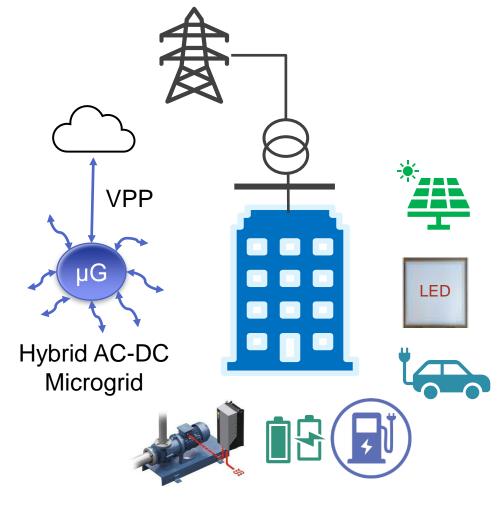
### **Emerging Trends – The D's in Energy Transition**

- Decarbonization
- Digitalization
- Decentralization
- Decreasing Use
- Democratization
- **>** .....



#### **Building Microgrid as a "mini-VPP"**





DC Sources and Loads



Classification: Restricted 5

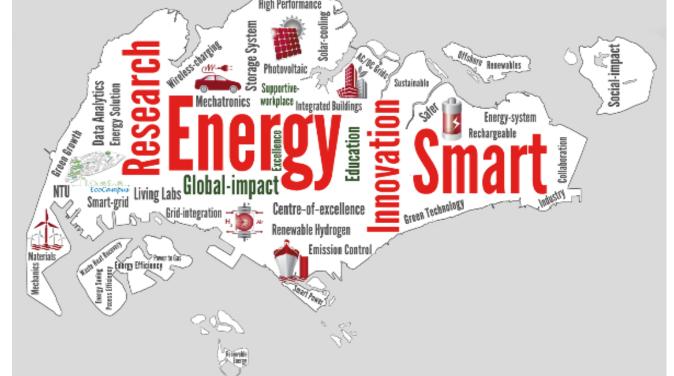
























# Thank you!

https://erian.ntu.edu.sg/SPECS

For further information please contact:

Executive-Director ERI@N

Email: D-ERIAN@ntu.edu.sg

Classification: Restricted

