SinBerBEST Program

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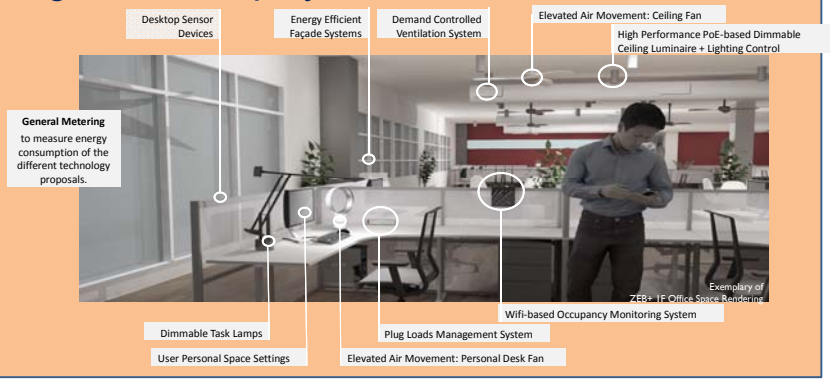
SinBerBEST aims to deliver energy efficient building technologies for the tropical built environment, while optimising human comfort, safety, security, and productivity within the building. This interdisciplinary research project is organised into five themes (A – E) :

- A - Human-Building Nexus
- B - Smart Technologies and Resilient Buildings
- C - Agile Design for Energy Efficiency and Human Comfort
- D - Data Analytics
- E - Test Beds and Deployments

Large Scale Deployments:



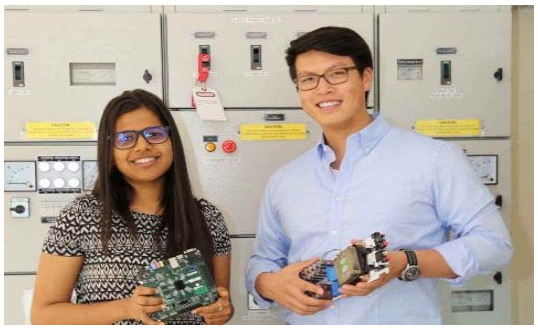
Metrics

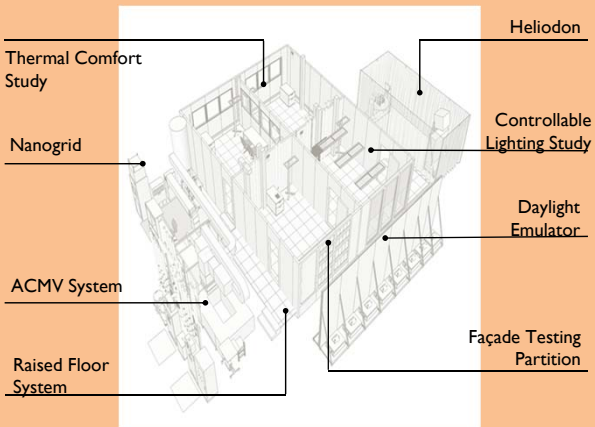
Launch a number of community scale projects where the various technologies can be hardened.

Focus on technologies, practices and policies that are likely to accelerate green mark penetration through the Singapore built environment.

Researchers

There are more than 70 post-doctoral fellows, research associates, and PhD students participants. A total of 21 Principal Investigators (PIs) lead the research teams: 8 UC Berkeley faculty, 7 NTU faculty, 6 NUS faculty, and 1 BEARS staff.





Cyber-Physical Test Bed:

One of the major highlights of this program is the more than 100 m^2 of test bed which can be accessed virtually via network and its data analysed anywhere in the world. The highly configurable facility supports research on innovation air conditioning for thermal comfort and indoor air quality, lighting, sensing and many for experiments on tropical building energy efficiency and sustainability.

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