What we learnt from this SE4ALL Workshop

Panasonic

- Site Visit to Panasonic Tokyo Shiodome Building
  - Advanced technologies like circadian lighting coupled with personalized a/c
    - Saves energy
    - Offers better indoor air quality, comfort and controllability for occupants

Look forward to promoting such technology in Singapore
What we want to focus on / develop

• Key area under 3rd Green Building Masterplan:

  **Occupant & Tenant Engagement**

**Green Mark Schemes For Within Buildings**

- BCA Green Mark for Office Interiors
- BCA Green Mark for Restaurants
- BCA Green Mark for Supermarkets
- BCA Green Mark for Retail
- BCA Green Mark for Laboratories  *(upcoming)*

**S$50m Incentive for Existing Building and Premises**

To encourage building owners & tenants to undertake EE Improvement Works
What we want to focus on / develop

• Trend towards Zero Energy Building
  • E.g. California, Japan

• Greater challenge in the tropics
  • Renewable energy like solar
  • High humidity conditions
    • Dehumidification very energy intensive
    • separate latent and sensible cooling

• Positive energy for low rise,
• Zero Energy for medium-rise
• Low energy for high-rise
Request to Advisory Organisations

• ECCJ/METI/Leading Japan companies
  • To use Singapore as a test-bed for EE technologies in the tropics
    • E.g. Daikin’s DESICA element

• Greater engagement with local industry to support EE movement