

Disruptive Innovations for Utilities

Grid-Interactive Affordable Housing

Speakers : *Craig Burton, GBPN.org*

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Introduction



Scoping Study - what can work
What opportunities are possible in
policy and practice.



Living Labs - what will scale
What works long term in real homes
and buildings

Demand side management

What energy savings are possible



Building efficiency

Shell, machines, electrification



Grid interactivity

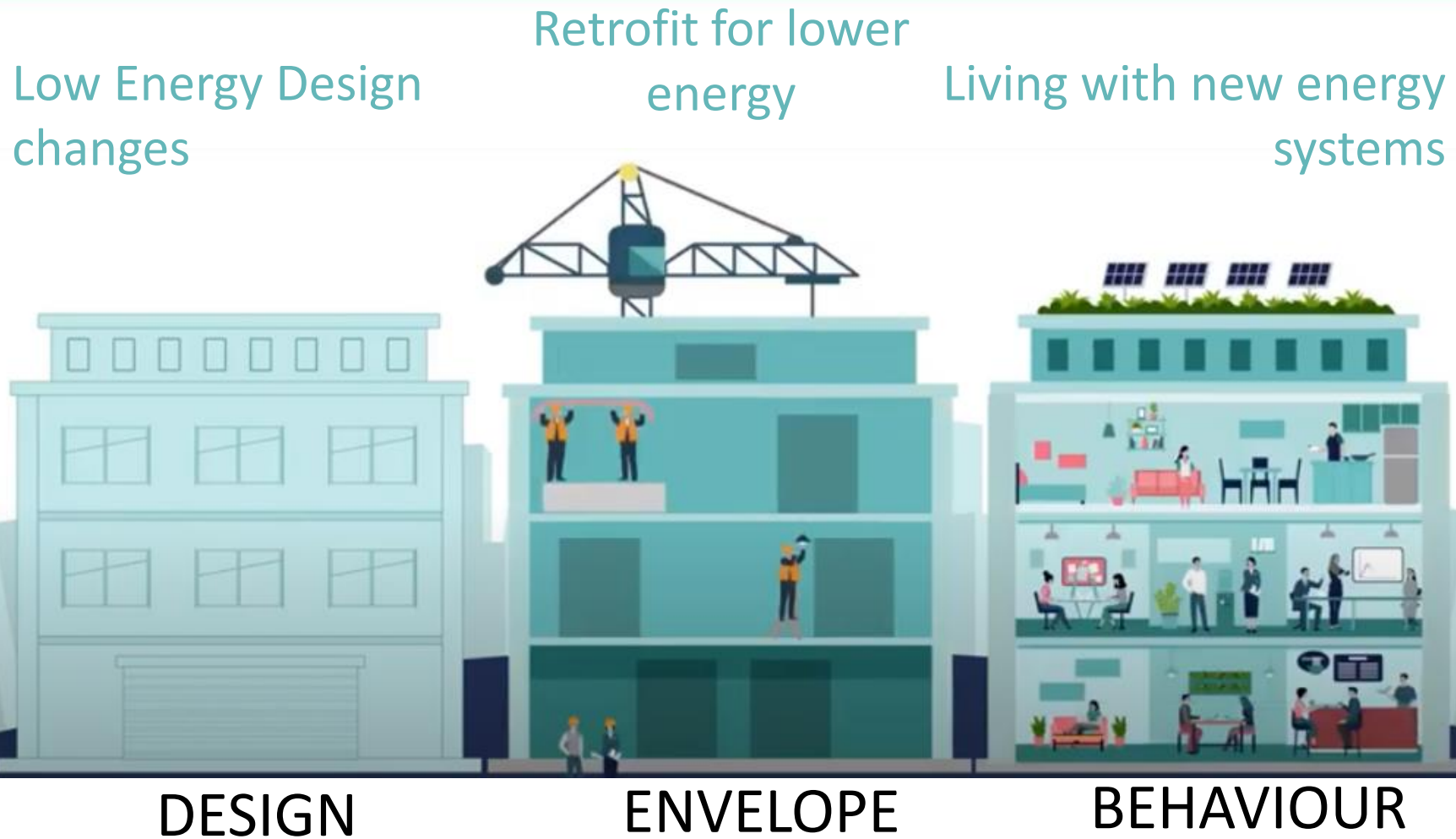
What can the DISCOM do to help and
benefit



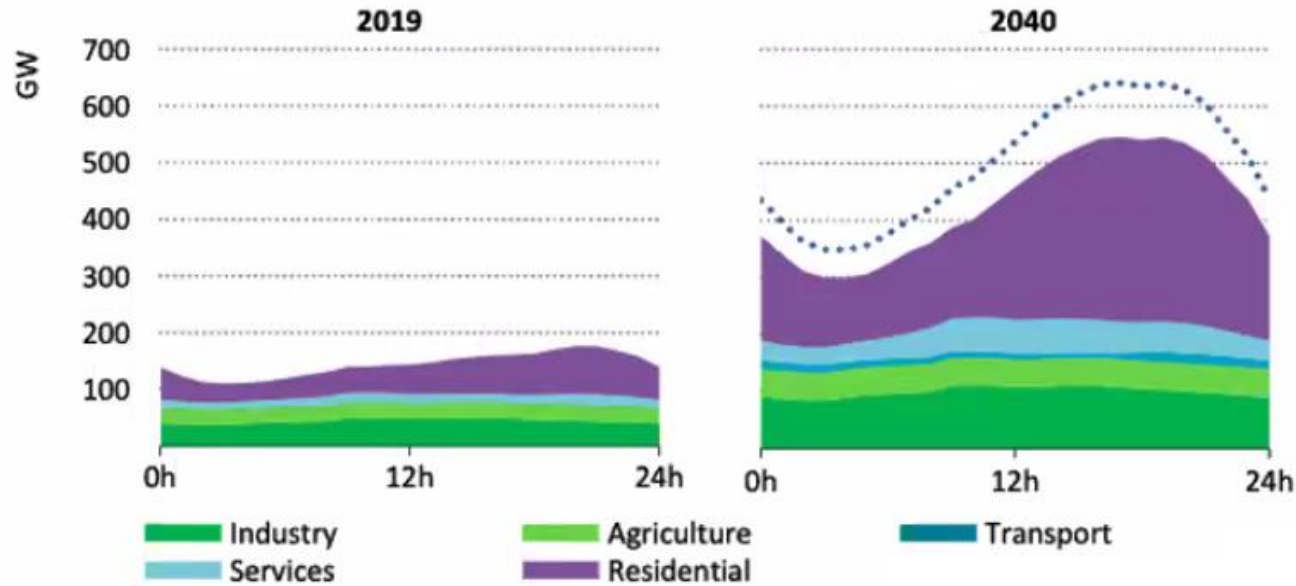
Occupant benefits

Cost of energy, indoor comfort and
health

Context

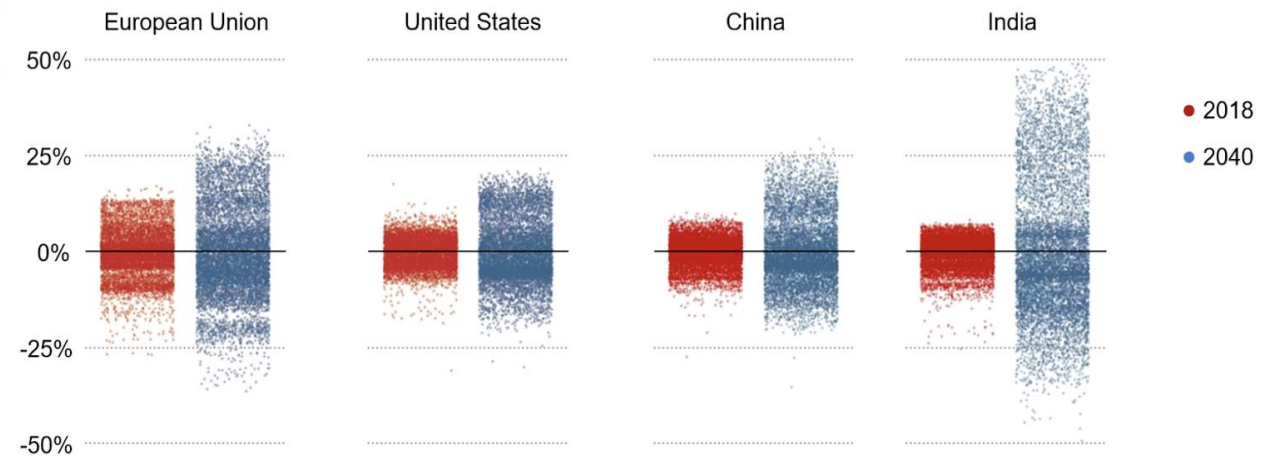


Relevance



Source: USAID MAITREE EDS

Source: IEA



Use Case



Solar on the roof in addition to common area solar...

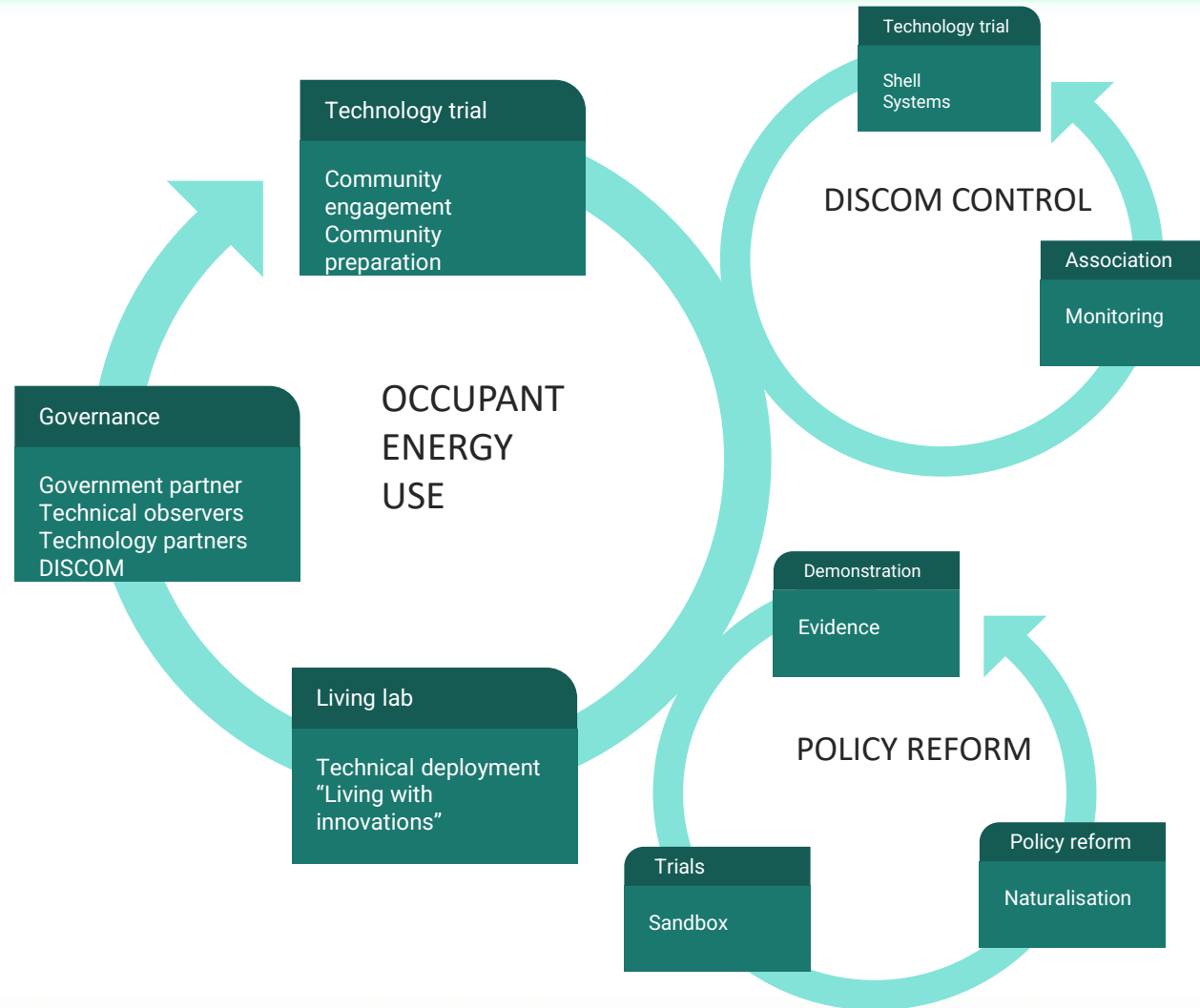
Rooftop
Solar
+

Induction
Cooking



Makes cooking on electric induction free during the day

Living Labs



Use Case



Energy messaging, device control and monitoring HAVE never been EASIER

Solar panels have never been less expensive

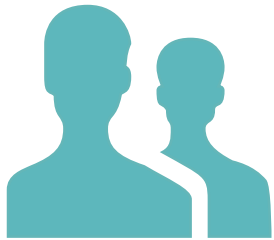
There has never been a greater mandate for a stable grid and cooler homes

Key Takeaways/ Recommendations

- Scoping study for large program of affordable residential demand-side interventions 2022-2028
- Everything will be tested in Living Labs with policy potential
- Provide DISCOM control for building equipment and appliances
- Behaviour change and occupant community support
- Reliable, continuous grid and lower energy cost, cooler housing
- To be hosted by IIHS, with MHT, Monash University, and experts.



Why don't **you** join us: Gujarat, Maharashtra and Karnataka

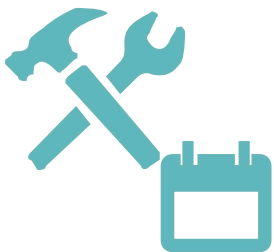


Expert
NGO
RWA

Thank You!



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SDA



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