

RP1009:
CLOSING THE LOOP

THE EFFECT OF **HIGH PERFORMANCE, LOW CARBON OFFICE BUILDINGS** ON **EMPLOYEES'** PRODUCTIVITY AND WELLBEING

This study evaluates the environmental potential of office buildings on employees' performance, establishing how they will perform under ideal circumstances based on design information and management processes.

MOTIVATION: 2. Investment in the triple bottom line
1. Health = Profitability



Green & healthy =



-Professor Vivian Loftness

RESEARCH ?:

"What is the impact of green buildings on employees' productivity and well-being?"

Focuses on:



Social, organisational, psychological, behavioural
BARRIERS to green building design



Why "High Performance, low carbon" (green) buildings?

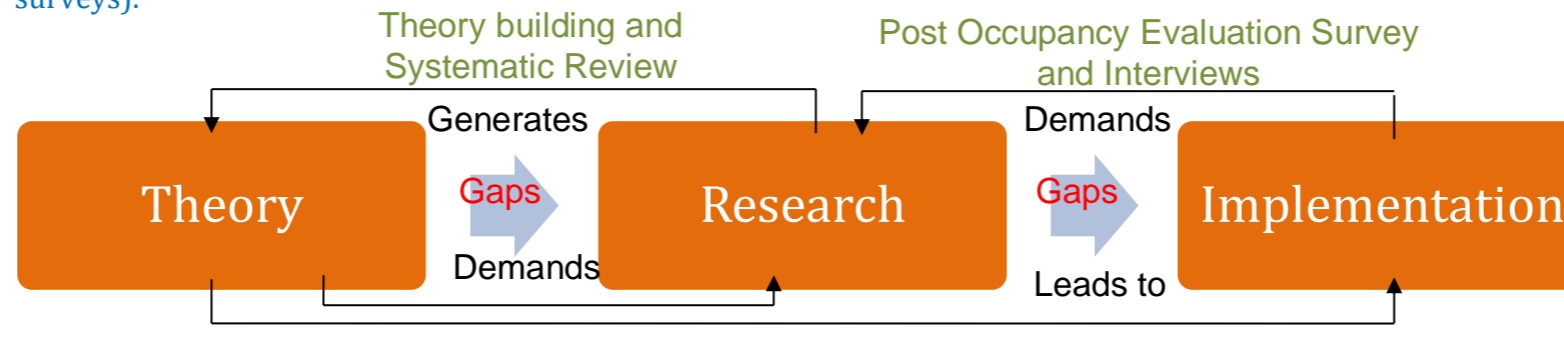
These buildings have won accolades and awards for sustainable design.

Are the occupants satisfied with and are utilising the green features of the building according to its intention?

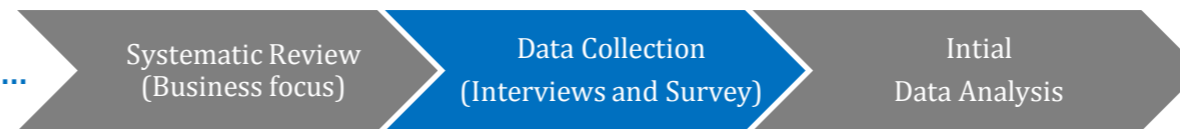


METHODOLOGY

Explore the gaps between theory, research and implementation to gather evidence through Systematic Review as well as enquire what works and what does not for green building through a case study approach (interviews and surveys).



PLAN FOR 2017....



BENEFITS TO THE PARTICIPATING ORGANISATION

- Tailored report on detailed results on occupancy evaluation of your building
- Complimentary workshop and seminar on green engagement
- Gain insights from employees' and management's perceptions on well-being and productivity
- First access to the research analysis
- Guidelines on supporting greener workplaces

WHAT ARE WE DOING?

- To analyse building occupants sustainability-related attitudes and behaviours
- To explore the design specific attributes that enhance occupants' satisfaction and productivity
- To understand whether workers are utilising the green features of the building to its full capacity

SCOPE FOR THE INVESTIGATION

Designers/Architects/Engineers

"What is most profitable to our clients when they invest in green office buildings?"

Employers/Managers

"How can we improve our employees' attitudes/behaviours to use the green design to its full capacity and make our employees more productive?"

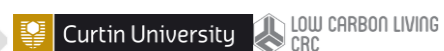
Owners/Tenants

"Does this design improve employees' productivity and well-being?"

EXPECTED OUTCOMES

- Business case for Green buildings
- Connecting the research world with practitioners
- Improving management interventions to use design to its full capacity

A research initiative by:



Our Industry Partners:



It's no longer enough to design and build a project but to understand whether it works or not! The business case of green office buildings and promotion of the sustainable and healthy workplace design largely depends on the **occupants' comfort and performance**

Further information:

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