



Overview



- ▶ **What is a POE?**
- ▶ **How will BEES use POE?**
- ▶ **Method**
 - Building Use Survey (BUS/Arup appraisal)
- ▶ **Example results**
- ▶ **Lessons from POE's**

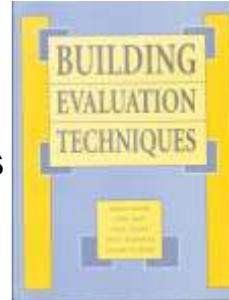


Post Occupancy Evaluation



- ▶ Survey occupants – existing buildings
- ▶ Understanding building users
- ▶ Improve existing buildings
- ▶ Learn for future buildings

- ▶ Building Evaluation Techniques 1990



Baird G, Gray J, Isaacs N., Kernohan D & McIndoe G (ed.) 1996 **Building Evaluation Techniques** 207 pp New York: McGraw Hill

Why do POE?



- ▶ Why:
 - Better buildings
 - happier occupants



BEES use of POE



- ▶ **Case studies of 10 office buildings**
- ▶ **Benchmarking**
- ▶ **Use with monitored data**
 - Relate temperature to occupants preference
 - Resource efficiency and possible effects
- ▶ **Feedback to business managers**
 - Improve where possible



Method – BUS/Arup Appraise



Temperature in summer Please tick your rating on each scale

Uncomfortable 1 2 3 4 5 6 7 Comfortable

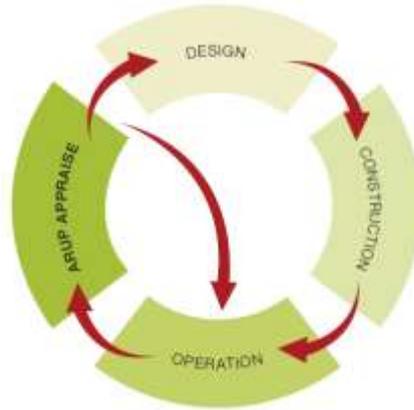
- 3 Pages
- Coloured paper
- 1 day
- Send to Arup



BUS covers



- ▶ **Background**
- ▶ **Overall building**
- ▶ **Your work requirements**
- ▶ **Your desk or work area**
- ▶ **Comfort**
 - Temperature
 - Noise
 - Lighting
- ▶ **Perceived productivity**
- ▶ **Health**
- ▶ **Personal control**
- ▶ **Effect on behaviour**



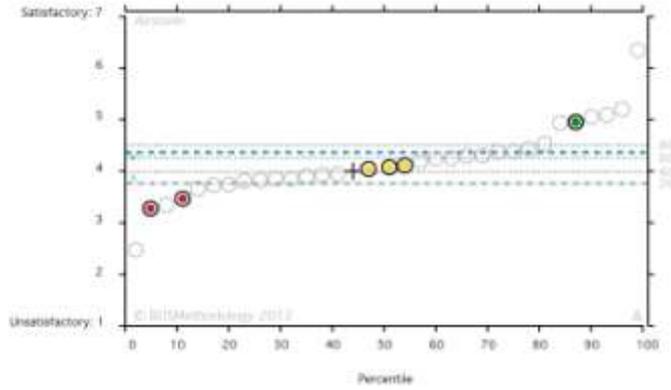
Results



- ▶ **Data tables**
 - Overall picture of performance
- ▶ **Web**
- ▶ **Comments**
 - ▶ Good for understanding specific issues or successes in the design
- ▶ **Forgiveness**



Benchmarking



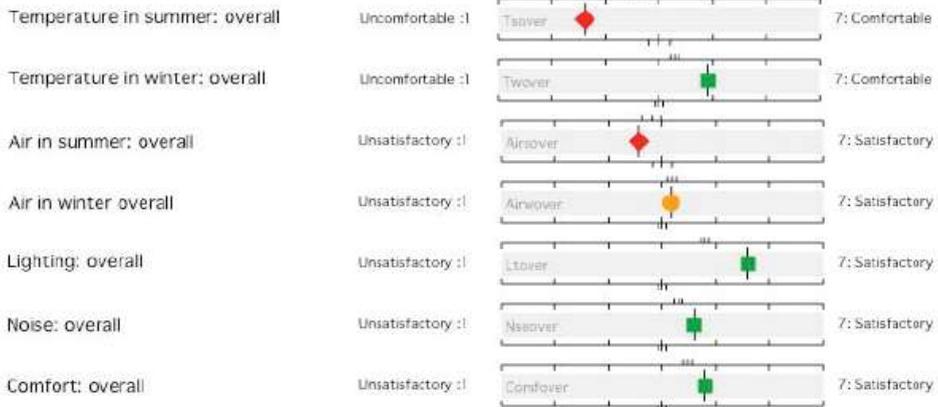
Benchmarking
~ 30 NZ bldgs



Web results



Summary (Overall variables)



Results - hinder



- ▶ The café - I have put on 5 kg.
- ▶ Bloody lawnmower.
- ▶ Get distracted by other interesting conversations.
- ▶ Would be better if I kept it tidier.



Results – work well



- ▶ Ability to be able to close door if need to concentrate.
- ▶ Ability to close office to concentrate/discuss personal issues with staff.
- ▶ Ability to close the office door for quiet working. Reasonable access to printer and office resources.
- ▶ Being able to close the door when colleagues are being noisy.



Lessons from POE



- ▶ **People are more forgiving with some control over their environment**
- ▶ **Keep it simple and do it well**
- ▶ **Flexibility**
- ▶ **You won't know if you don't ask**

