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Designing for Occupants, Handover & How People Use Their Homes……

- Introduction
- Design for Occupants
- Handover
- How People Use Their Homes
- Questions

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Introduction:

Chris Parsons FCIOB

CERTIFIED PASSIVE HOUSE CONSULTANT

RIBA Chartered Practice

Chartered Building Consultancy

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Passive (in the true sense)

Occupants should be able to use the building intuitively

It should work without excessive user intervention

Passive (in the true sense)

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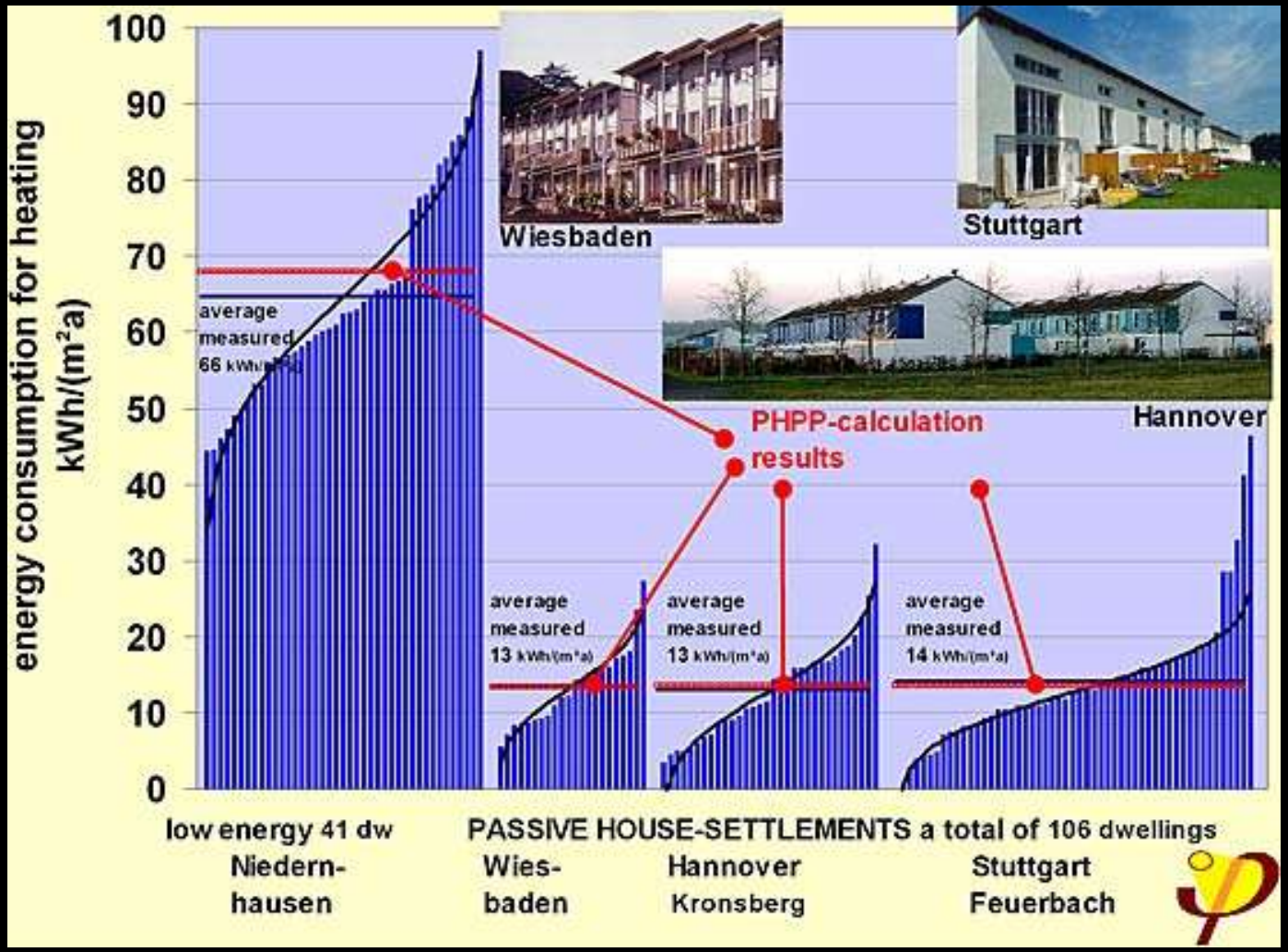

Passive (in the true sense)

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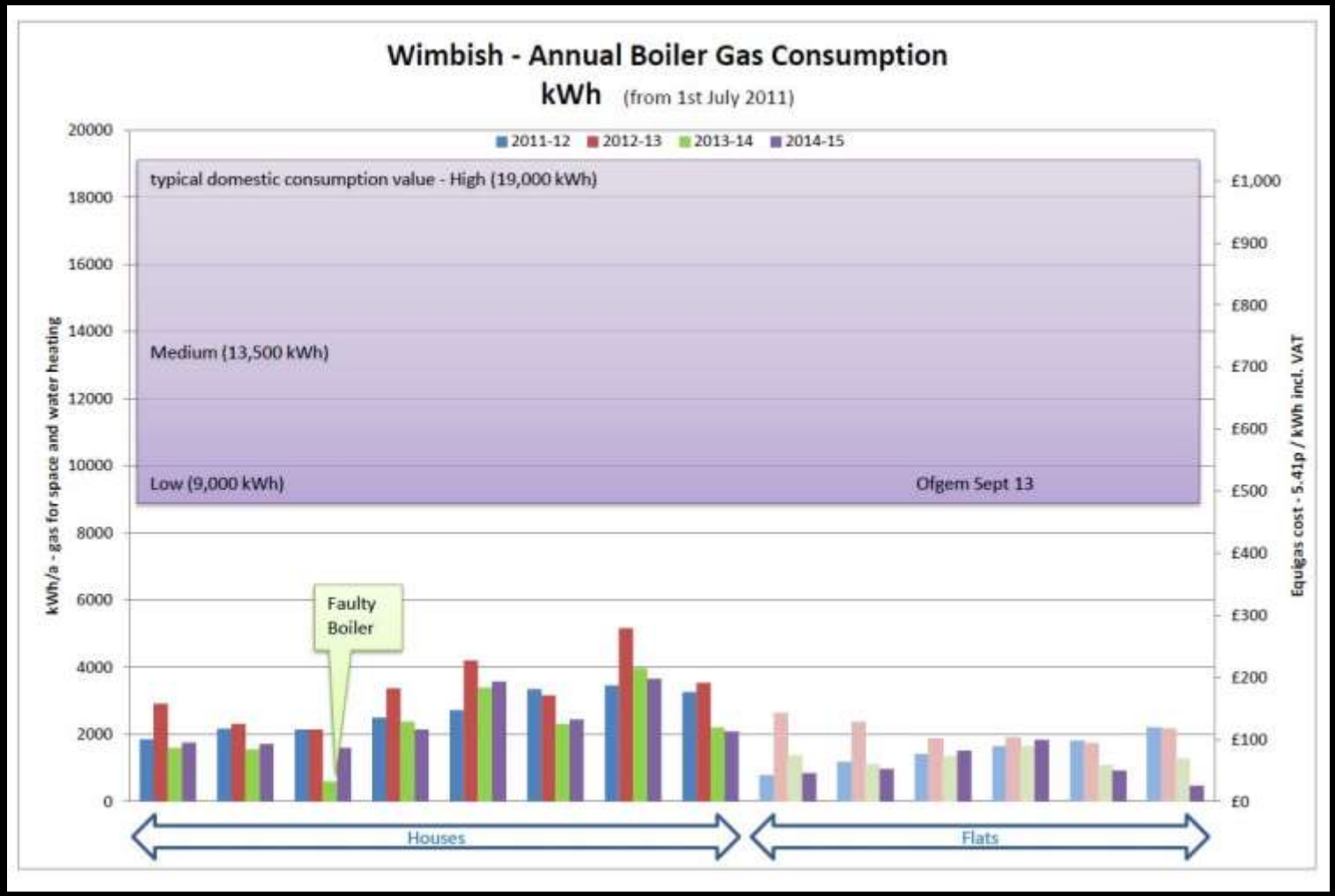

Solar shading & Overheating

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Design for occupancy

Internal Heat Gains:

- PHPP 9 IHG allowance of 50W per dwelling
- Particular benefit for smaller properties

Ease of Use

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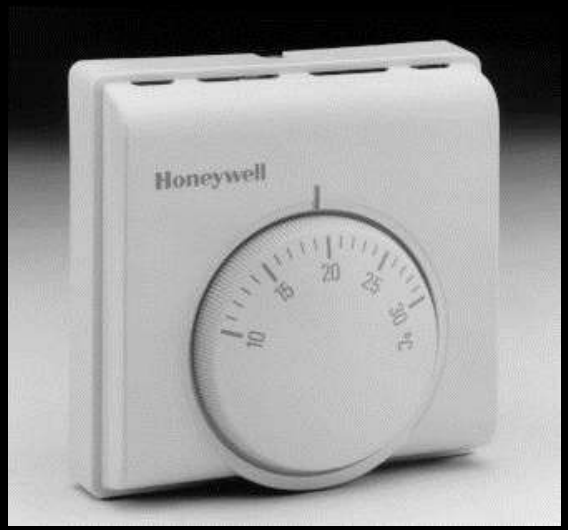

Ease of Use

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MVHR Design & Commissioning

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Involve the maintainers…..

Handover

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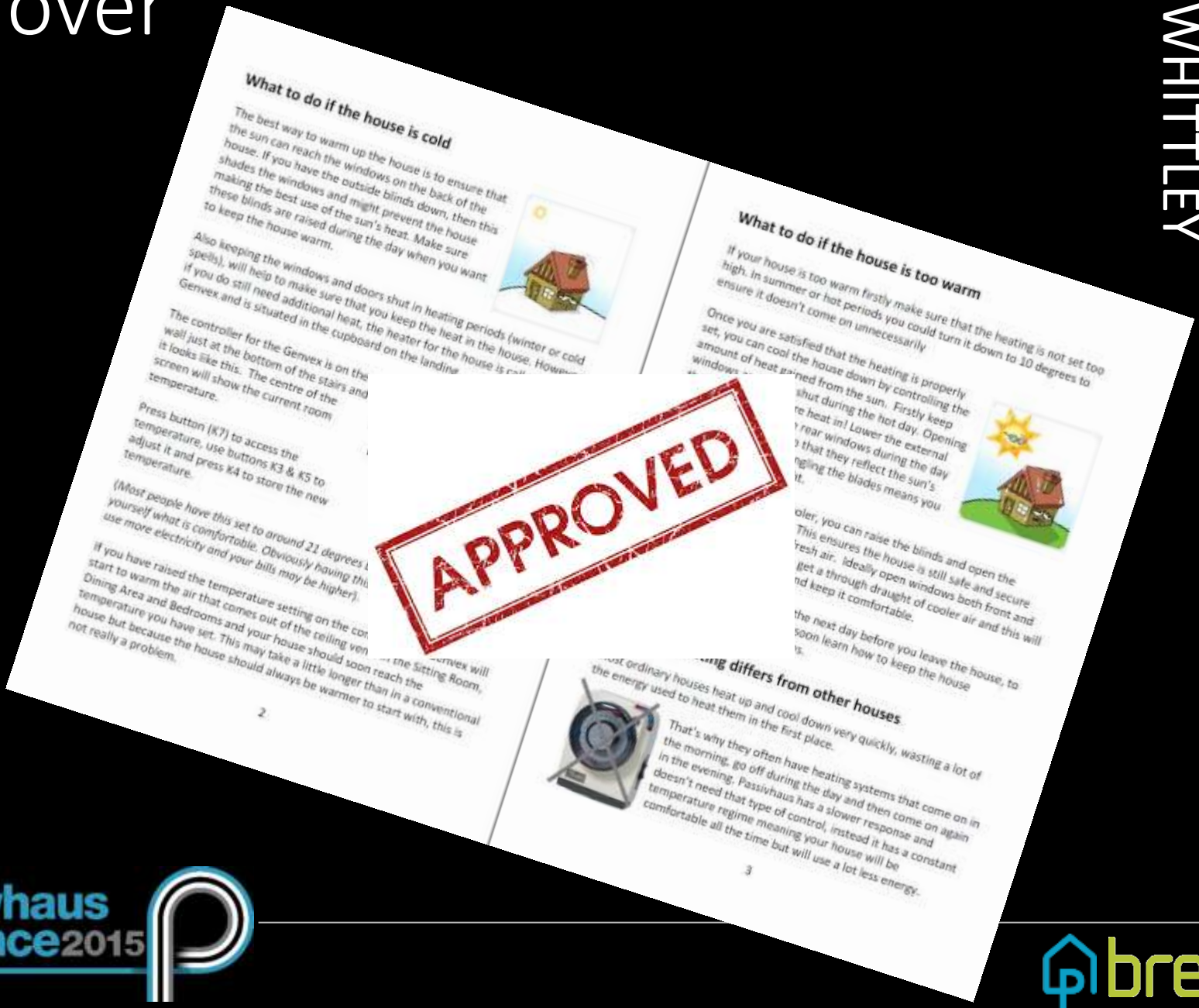

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Handover

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Handover

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Handover

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Checklist

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Monitoring

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How people use their homes

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- Better use of space – no cold spots
- More pride and respect for the property
- Definitely some re-bound

Some problems….

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- Initially poor M&E design tended to overcomplicate controls
- MVHR as heating and ventilation combined can confuse
- Immersion heater backing up without indication or control!
- Conflicting advice regarding MVHR
- Interference with air flows
- External blinds used for privacy
- Specialist maintenance companies

Some stories…

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- The tumble dryer effect
- 35° degrees
- The disbeliever
- “I never want to live in a non-Passivhaus”
- “My bill is lower than your bill!”

Let’s hear from some occupants…

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Thank you

Chris Parsons – Parsons + Whittley