

# Scotland & Passivhoos

Matt Bridgestock

John Gilbert Architects

# Scotland's Progress

- Several large rural homes
- Small and Large retrofit
- Social housing pilots



## Portree - Rural Design



Braemar Passivhaus - Grigor Mitchell Architects



Ferndown - Sam Foster Architects



Snug Within - Passivhaus Associates



Ostro - Paper Igloo



Lenzie Passivhaus - John Gilbert Architects



# Retrofit...



Kirkwall Retrofit - Robert Potter & Partners



Woodside - Collective Architects

# Larger scale...



MOUNT STUART TRUST  
PROPOSED LOW ENERGY DEVELOPMENT AT LOCHEND, ISLE OF BUTE

ARTISTS IMPRESSION

ARCHITECO



Craigmillar - John Gilbert Architects



Carntyne Church - Page \ Park Architects

# Barriers to large scale...

- Cost
- Nice idea for Europe, but it doesn't work in UK?
- Isn't it just for private homes?
- Can residents actually understand it?
- What about MVHR, sounds difficult?
- Procurement challenge?
- Airtight homes are bad?
- WHAT DOES IT COST??



# Passivhoos<sup>®</sup>

- Architect / Contractor Partnership
- Cost certainty
- Specifically for Housing Associations / Councils
- Flexible social housing types
- Delivery at scale across Scotland



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# Passivhoos<sup>®</sup>

- Integrated team approach
- Specific supply chain
- Reduce procurement issues
- Improve process and on-site training
- Improved handover process
- Set up for delivery at scale
- Repetition key to cost

# Passivhoos<sup>®</sup>

Our target: £125k build - £125/yr fuel bills



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Thank you



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