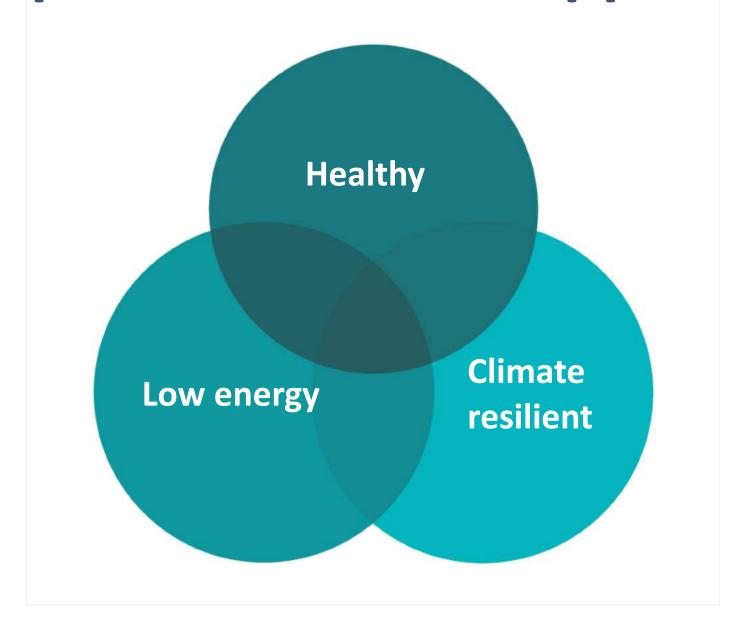
Upscaling Passivhaus







Triple Bottom Line Approach





"When you go to the mountains you see them and admire them. In a sense, they give you a challenge, and you try to express that challenge by climbing them."



Sir Edmund Hilary

Passivhaus in 2019



Over 60,000 certified projects worldwide

150 UK projects certified

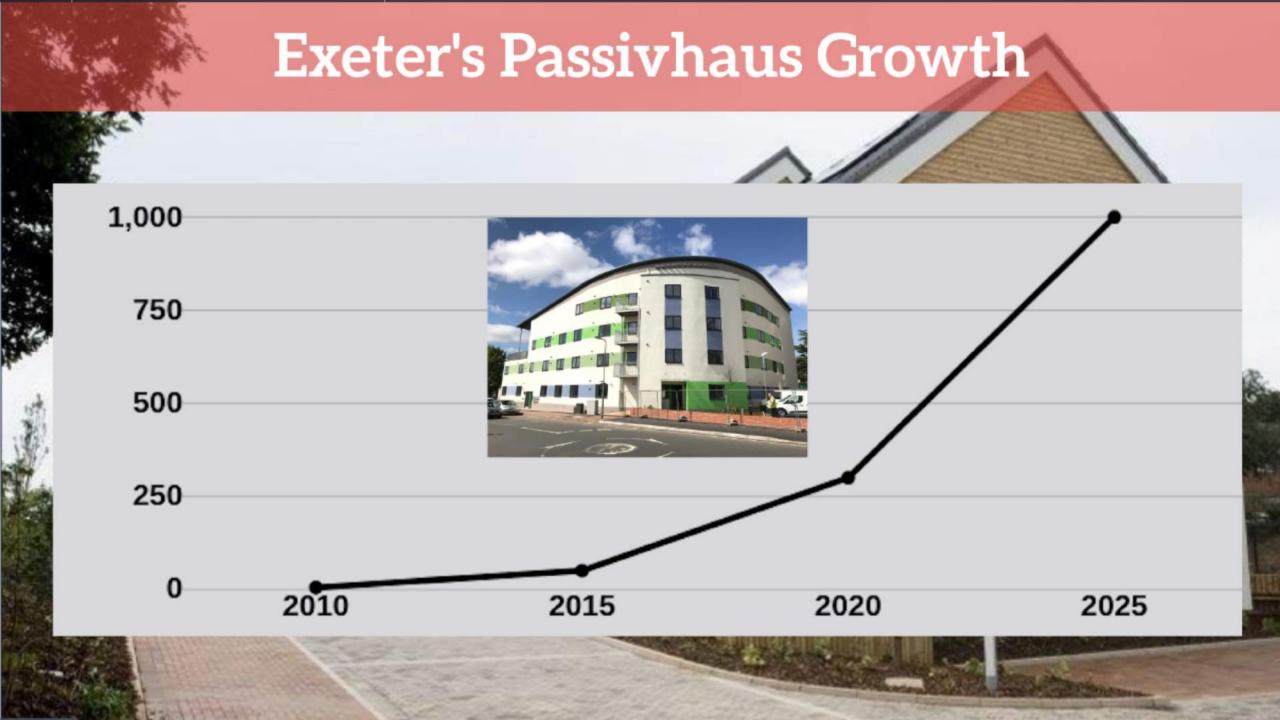
More than 1000 UK dwellings certified

More than 1500 units underway

Largest site underway is 345 units (apartments Agar Grove)

Largest complete site so far is 68 units (Saffron Acres)

Largest step-by-step retrofit is Wilmcote House (3 tower blocks)



Rowan House. First generation Passivhaus



"I am at the start of a long journey whose conclusion is uncertain. I hope."

Red. The Shawshank Redemption



Knight's Place. The UK's first multi-residential Passivhaus development



Burberry Close, Silverberry Close, Reed Walk, Exeter. Second generation Passivhaus







Chester Long Court. Third generation Passivhaus



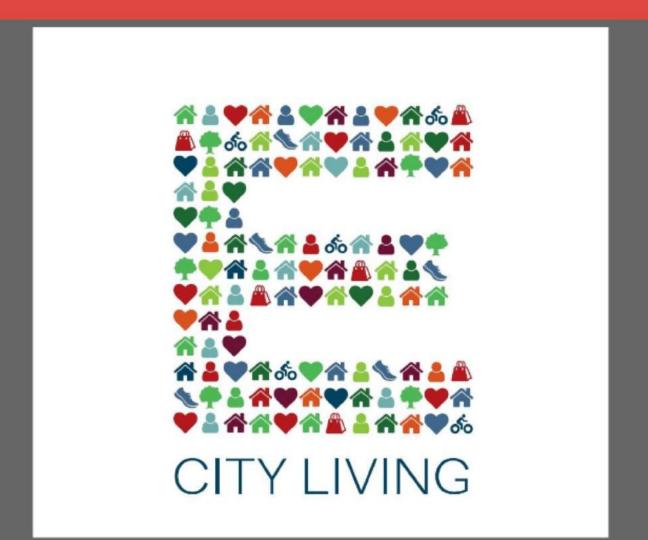
St Loyes. UK's first Passivhaus Extra care



St Sidwell's Point. UK's first Passivhaus leisure centre



Exeter City Living. UK's first public and private sector developer





Upscaling Passivhaus

Design
Cost
Procurement
Construction
Prefab and modulisation
Business case







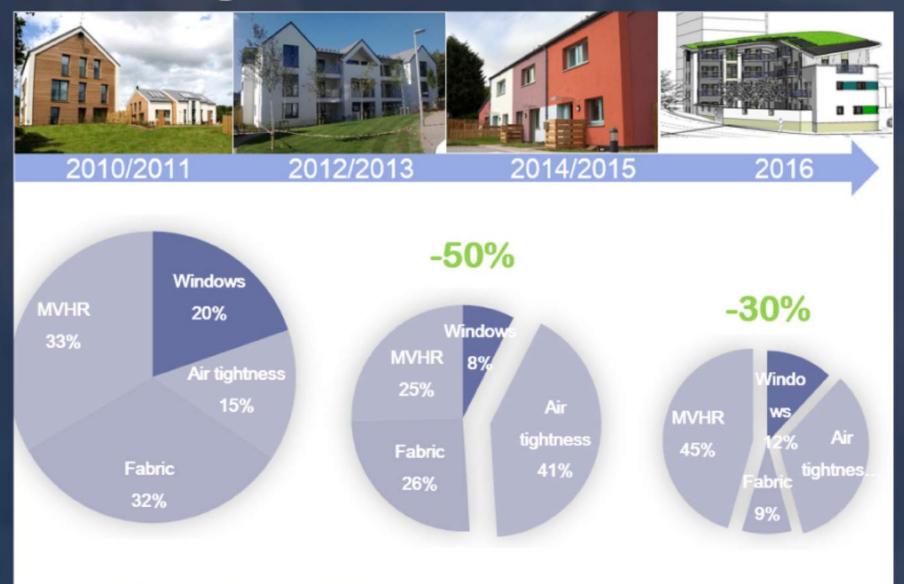


"Making the simple complicated is commonplace, making the complicated simple, awesomely simple, that's creativity."

Charles Mingus



Diminishing costs



Source: Jenkins Hansford Partnership, Exeter



Procurement

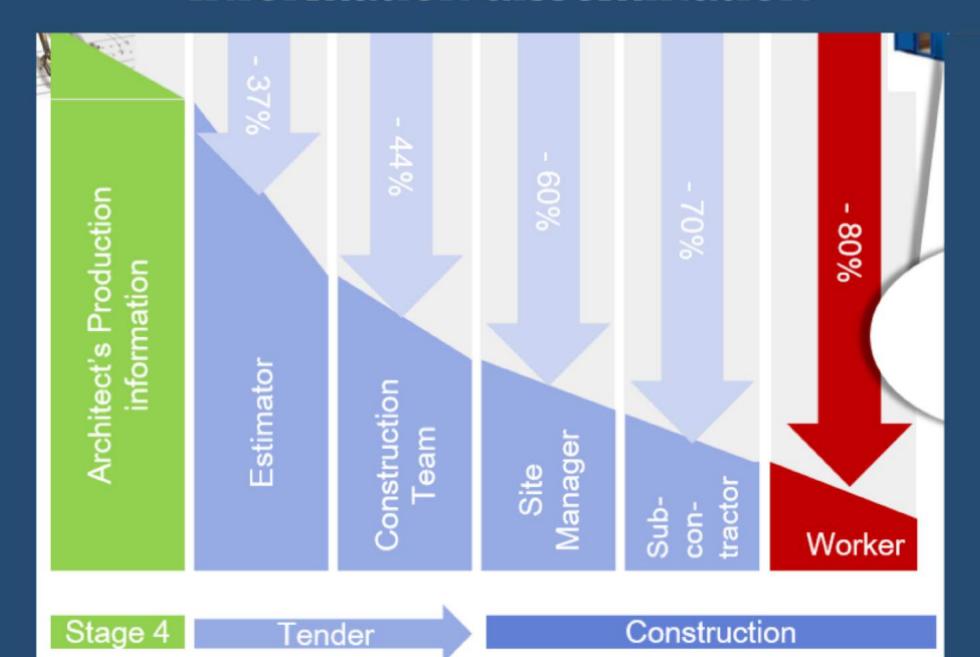
Tendering

Contract

Programme

Knowledge transfer

Information dissemination



Construction

Time

Repeat business

Bespoke processes



Prefabrication and modulisation

Challenges Enerphit Scope



Business case

Social benefits

Environmental benefits

Economic benefits



Social benefits of Passivhaus

"It keeps me beautifully cosy in winter. When you walk in during summer, it's lovely and cool.

"My health is amazing - I don't get colds, flu or viruses.

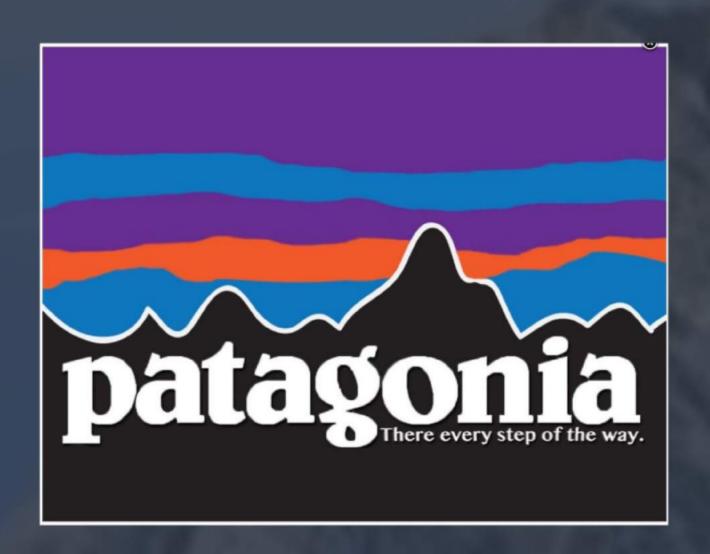
"My bills are considerably lower. I would recommend Passivhaus to anyone."

Passivhaus tenant Rose Mason, Exeter

Economic benefits of Passivhaus

"Quality is the best business plan."

Yvon Chouinard



Environmental benefits of Passivhaus

Upscaling Passivhaus

"People do not decide to become extraordinary. They decide to accomplish extraordinary things." Sir Edmund Hilary





Any
Questions?

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World's tallest Passivhaus:

Bolueta Tower, Bilbao

