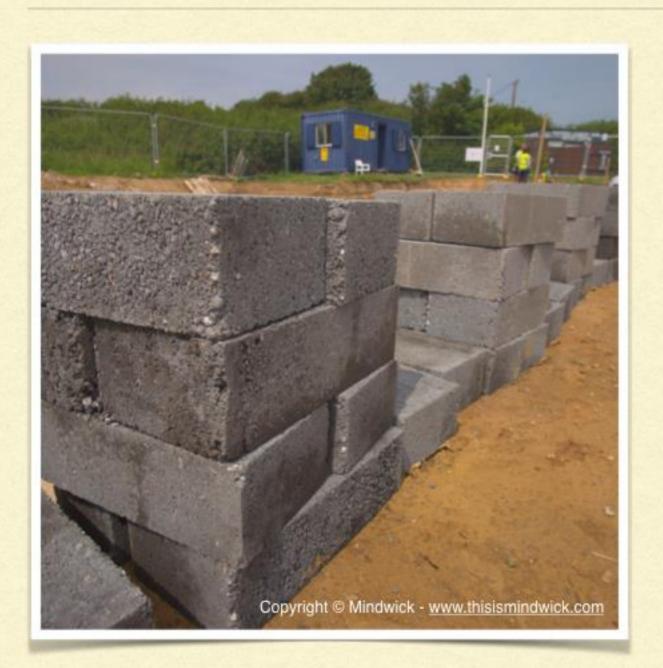
STRAW BALE BUILDING

Addressing the Climate and Ecological Emergency





SOLUTIONS FOR OUR BUILT ENVIRONMENT



- Buildings accounted for 34% of UK greenhouse gas emissions in 2014 ¹
- Zero Carbon Homes policy was axed
- To achieve climate targets all new buildings must be zero carbon
- Making buildings zero carbon in both construction and in use can help the local environment and economy

¹ https://www.theccc.org.uk/wp-content/ uploads/2014/08/Fact-sheet-buildings-updated-July-2015.pdf

WHY BUILD WITH STRAW?



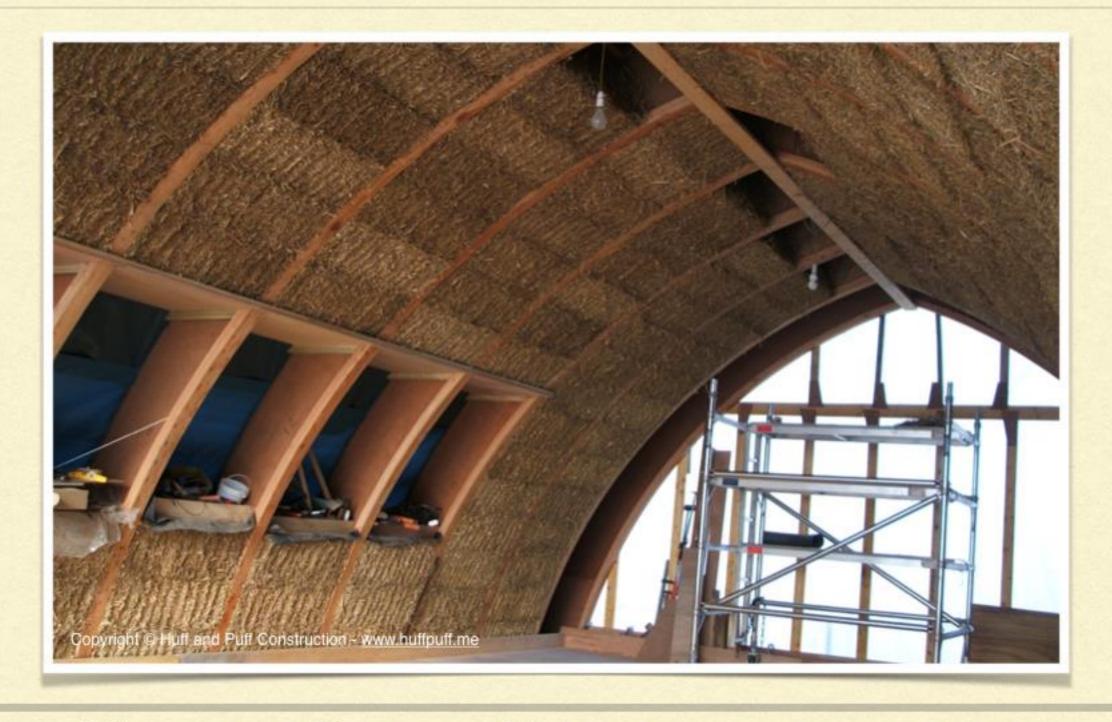
- Climate Crisis stores carbon, sustainable, local
- Highly insulating
 - Wall U-value of 0.1 (Regs 0.3, Cavity 0.2)
 - SAP score 80+ achievable
- Easily cement-free
- Zero carbon in construction and use
- Cost neutral up front, save money long term
- Suitable for all sorts of buildings

WHAT IS STRAW?



- Not hay (food)
- Dry stalks of cereal plants (e.g. wheat, oats, barley)
- Similar to wood
- Kept dry will last forever
- Agricultural by-product
- Enough spare each year to build 500,000 bale houses

MANY WAYS TO BUILD



MANY WAYS TO BUILD



STRAW BALE PANELS



- Research by Dorset Community Action in 2017
- Local timber
- Local straw
- Local plaster/render
- Local labour
- Factory produced quality and speed
- Helping local communities whilst also providing zero carbon buildings to address the Climate and Ecological Emergency

HOW DO WE MAKE THIS HAPPEN?

- Planning Policy
- Council buildings
- Council social housing
- Housing Association social housing
- An initial project would be a great start



WHO CAN DELIVER IT?



- Local businesses and people!
- Straw-bale Building UK
- Constrawtium a network of straw bale builders, currently delivering a 216m2 visitor centre for Hastings Borough Council

QUESTIONS

STRAW-BALE BUILDING UK www.strawbalebuildinguk.com

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