

**Brockweir and Hewelsfield Community Shop Project**

### Brockweir and Hewelsfield

- Scattered settlements
- Population 500
- No Shop/Post office
- No Bus Service
- Village Hall
- Pub
- 2 Churches

### Why we are doing it

- Shop / Post Office sorely missed
- Re-establish the heart of the village
- Create a viable sustainable community

### Community Owned and Run

- Industrial and Provident society
- Not for profit
- Volunteers
- Community bond issue
- Local contribution in kind
- Local cash
- Built on land leased from village hall

### What will it offer

- Community café
- Local Food outlet
- Glos Library Kiosk
- Dedicated IT suite
- General Store
- Local Gov and tourist info point
- Local delivery service

### The Building

## Minimal Environmental Impact

- Local materials
- Low energy input materials
- High insulation rating
- Low energy lighting
- Minimal external lighting
- Heat Pump
- Heat Recov/vent
- Photo-voltaic roof

## Local timber



## Green Oak Structure



## Ground Source Heat Pump

- IVT Greenline C
- Established Swedish manufacturer
- ICE Energy distributor will install and support
- 12kw 9+3
- 600m (3 x 200) underground loops
- Connected to underfloor heating
- Will be run overnight



## Ground Source Heat Pump



## Under floor heating



## Renewable Energy project



## Photo - voltaic system

- Supplied by Solarcentury
- 300 individual shingles serve as roofing material and PV
- Thin film technology
- Over 4,000 kwh per year
- Grid connected
- Excess energy bought by npower at 10p per unit



## Find a good provider

- Flexible and supportive during installation
- Helpful and objective with specification
- organised the connection
- Help with green energy agreement



## Are they round the back ?



## The ins and outs



## Thoughts

- New build is the real opportunity but is easily missed
- Look forward to more quality players in the market

## Thoughts

- Proactive environmental planning guidance / advice and support
- Awareness and options at an early stage
- Emphasis on environmental outcomes from development funders