



## Sustainable new build home - 'Ashwood'

Design company name: **Dittrich Hudson Vasetti**

Build company name: **Dovetail**

Consultancy: **Element Structures**

Project location: **Redhill, North Somerset**

Project completion date: **2025**

Budget: **Approximately £800,000**

### Project brief

Set on rolling Mendip Hills overlooking a small chapel, this extraordinary project was driven by a desire to make the most of the stunning views. The design prioritises renewable technologies, reflecting the clients' wish to embrace modern, sustainable energy systems.

Internally, the house provides a warm, contemporary family home with bespoke features such as staircases and joinery crafted from locally sourced ash. The layout combines functionality with an emphasis on open, light filled spaces, all while ensuring a strong visual relationship with the outdoors. This project blends modern technology, craftsmanship, and sensitive design to create a unique hillside home.

Sustainability was embedded through a mix of advanced technology and thoughtful material choices. The property was built to a high level of airtightness, reducing energy demand while enhancing comfort. Together, these strategies balance modern technological solutions with a respect for natural systems, creating a resilient and ecologically sensitive home.

### Sustainability features

- Light touch construction - site built timber frame
- Recycled hardcore from demolition
- Ash cladding and interior from local die-back
- Locally sourced stone
- Highly air-tight
- Air Source Heat Pump (ASHP)
- Mechanical Ventilation with Heat Recovery (MVHR) ventilation system
- Solar PV with battery storage
- Rainwater harvesting
- Marshland created by rainwater overflow to encourage biodiversity

Find out more: [www.dovetail.ltd](http://www.dovetail.ltd)

