



**Hockerton**  
Housing Project

*Bringing sustainability to life*

# Building Design and Performance Portfolio

High thermal mass and passive solar gain to maximise year-round comfort and minimise energy bills.

Energy use is actual data, and should be compared with annual use of 25,000kWh by the average new home.

**Contact us**

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# Hockerton Housing Project

- Earth-sheltered
- South-facing sunspace, thermally separated from house
- Single storey, 3 & 4-bed, mid/end terrace
- **Energy use**
- 3,985 kWh/yr
- averaged over all five houses over 12 years of occupancy – **includes** cooking and appliance use
- Design and Build



# Pond House and Waters Edge



- 2 semi-detached homes
- Partially earth-sheltered, exposed on north side
- South-facing sunspace, thermally separated from house
- Single storey, 2-bed
- **Energy use**
- Pond House: 5,358 kWh/yr
- Waters Edge: 2,978 kWh/yr (includes cooking and appliance use)
- Design

# Little Orchard

- New build, traditional-look, cavity wall construction
- South-facing sunspace, thermally separated from house
- Two storey, 3-bed, detached
  
- **Energy use**
- Actual energy use: 6,200 kWh/yr (includes cooking and appliance use)
- Design and Build



# The Long House



- New build
- Client requirement to look like an old barn
- Two storey, three large bedrooms, detached
- No sunspace
- One small log-burning stove
- **Energy Use**
- 7,260 kWh per annum (house plus annex)
- 22kWh per m<sup>2</sup>
- Design

# The New Autonomous House

- New build, traditional-look, cavity wall construction
- West-facing sunspace, thermally separated from house
- Two storey plus basement, 4-bed, detached
- Build (Nick Martin)

