

KEY ATTRIBUTES:

- External fabric improvements, window repairs and external decorations to UK's first large-scale sustainable community
- Reducing carbon emissions to reinforce BedZED as a leader in sustainable living
- Wind Cowl remediation works



BEDZED

Fine design and installation of new finishes to the main roofs and sky garden areas at BedZED, the UK's first large-scale, mixed-use sustainable community designed to create zero carbon emissions through high levels of insulation, airtightness and passive solar heating design. The pioneering environmentally-friendly housing development, completed in 2002, declared a new dawn in sustainable housing. The space comprises 100no. homes, offices, college and community facilities.

Works were carried out by Niblock to further reduce carbon emissions whilst maximising the old materials to recycled content, and included:

- Main roof replacement, including Sedam's horizontal roof covering and Live Living Wall vertical application with irrigation system
- Replacement Velux windows integrated within the new roofing system
- More efficient solar panel renewal and integration
- External fabric repairs
- Sustainable fire-rated timber cladding replacement
- Specialist triple glazed window repairs
- Upgrade of rainwater goods and drainage to provide improved dispersal
- Installation of fire-rated fully sustainable timber decking
- Installation of energy efficient communal lighting
- External and internal communal decorations
- Wind Cowl servicing and overhaul
- Continuous liaison with residents, who were invited to all site meetings
- Intense daily liaison with Merrywood Education: Sandmartin Campus for children who have experienced trauma and require SEMH provision
- Minimised disruption to scheduled school operations
- Robust segregation

Social Value:

- Worked collaboratively with BedZED Residents Association to plan enhancements to the outdoor communal areas
- Installed new benches to provide comfortable seating in shared green spaces
- Removed disused wood and rubble, eliminating an eyesore and addressed a potential safety risk for children playing in the area
- Refurbished the pergola to create a more welcoming environment
- Carried out general landscaping improvements to enhance the appearance and usability of the space



The development's most striking feature is the colourful wind cowls that orient themselves towards the wind, naturally ventilating spaces through a heat exchange.

"We are delighted with the Wind Cowl overhaul, which has provided much needed ventilation." BedZED resident

CLIENT:
Peabody Housing Association

PROJECT VALUE:
£2M



DURATION:
42 Weeks

PROJECT ADDRESS:
SM6 7DF



