



Construction of Somerset Earth Science Centre

Project Title	Somerset Earth Science Centre
Location	Moon's Quarry, Stoke St. Michael
Client	Somerset Earth Science Charity
Architect	Mark Kingsley Architects
Structural Engineer	Ramboll Whitbybird Engineers
Contract Value	£499,805
Duration of Works	30 Weeks
Completion	Completed October 2008
Procurement Method	Design and Build
Contract No.	1507

The work comprised construction of a new single storey, low carbon study centre on the edge of an existing lake at Moons Hill Quarry, Stoke St. Michael. The development included a kitchen, changing rooms, WCs, offices and classrooms. The building is constructed off a reinforced concrete slab on a piled foundation, with a gabion retaining wall along the lake edge. The superstructure is an internal facing blockwork, with full fill rockwall insulation; blockwork backing and stone cladding. The roof covering is a Sedum roof built off a Glulam timber beam construction. The building's power is supplied by a wind turbine installed on an island in the lake, and is heated by an underground heat source pump on the lake bed. The completed building achieved a SBEM Rating of A+ -14, Zero Carbon Rating. The Building was officially opened in July 2009 by HRH The Princess Royal.