

New Scottish Parliament Edinburgh, UK

Client: Scottish Parliamentary Corporate Body

Scope: Mechanical Engineering
Electrical Engineering

The project achieves a BREEAM (Building Research Establishment (BRE) Environmental Assessment Method) Excellent rating and “good practice” benchmark under Energy Consumption Guide 19 Energy use in Offices (Econ 19), designed to incorporate a minimum of 80% of the building’s electricity from renewable energy sources.

This was achieved by using natural ventilation in most areas, even where the depth of plan would normally preclude it. Low-velocity displacement ventilation and comfort cooling systems were implemented through the use of ground source heat pumps. Solar panels and a combined heat and power boiler also contribute to the reduction of energy use.

