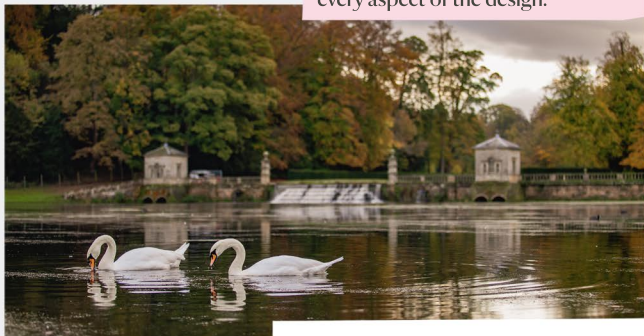


Landscape and the environment

As a conservation charity, we've made sure we have considered environmental sustainability through every aspect of the design.



An extensive living roof with site native wildflower is part of the design.

- The building foundations have been redesigned to use 50% less concrete and natural or resilient materials have been used elsewhere to minimise the carbon footprint.
- The new design incorporates two air source heat pumps completely removing the need for fossil fuels.
- The current tea-room roof will be kept accessible for the bats which use it as a maternity roost, and 3 bat boxes will be installed on the exterior of the extension to replace an occasional roost in the part of the roof to be demolished.
- Species of plants, including those on the 95sqm green roof, have been carefully considered to maximise benefit to pollinators and elsewhere the planting scheme echos 18th century landscape design.
- Energy use will be kept to a minimum through high levels of insulation in the extension, upgrades to the insulation and windows in the existing lodge, and the use of energy efficient water and electrical fittings throughout.
- 11 trees and 45m of hedging that detracts from the historic designed landscape will be removed but will be replaced with 21 trees and 208m of hedging, delivering biodiversity net gain.