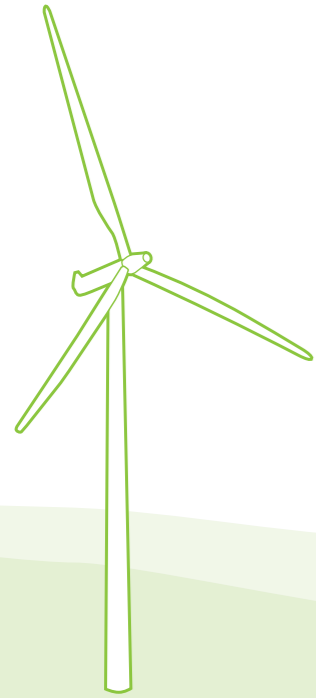


Booth Lane Environmental Facts



Wind turbine and Photovoltaics

Contributes to the College's power requirements by generating electricity.

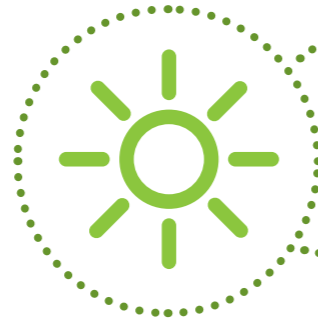
BREEAM Environmental Assessment Award

BREEAM is the world's foremost environmental assessment method and rating system for buildings. This building has been awarded a rating of very good.



Solar Panels & Glazing

Capable of heating 3000 litres of water.



Building Insulation

Reduces heating (and cooling) costs throughout the Summer and Winter months.



ETFE Ethylene Tetrafluoroethylene Roof

Same as the Eden project – allows heat to stay in and light to pass through.



Energy Centre

Carbon neutral biomass boilers use woodchip instead of gas.



Sedum roofs

Increases insulation and reduces the heat that is absorbed. Prolongs the life of the roof and promotes biodiversity and encourages fauna.



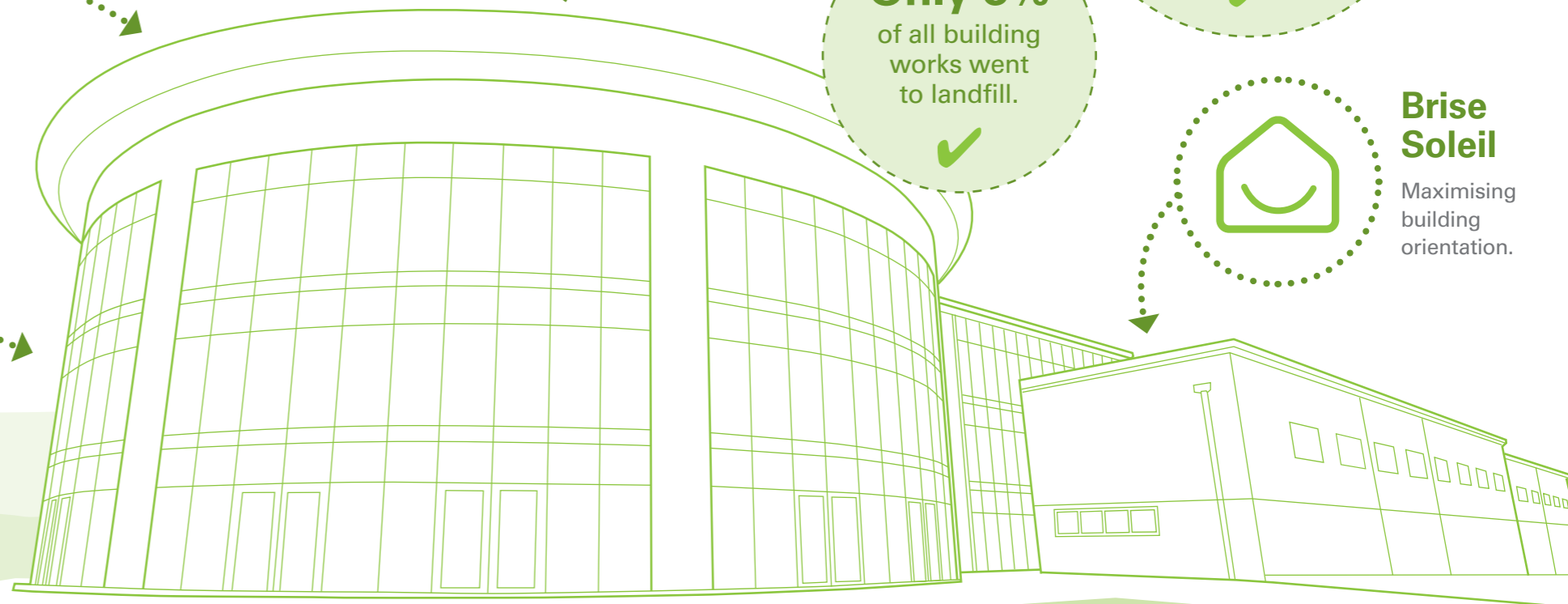
Only 8%

of all building works went to landfill.



Brise Soleil

Maximising building orientation.



Energy Saving Lighting

Every classroom with a window has a daylight dimming function which reduces electricity costs.



Heat Recovery System

Takes heat from the extraction system, treats it and sends it back into the building which reduces heating costs.



Greywater Harvesting System

Rain water is collected into tanks where it is then cleaned and re-used to flush toilets across the College.



Sustainable Urban Drainage System

Two ponds have been planted to encourage biodiversity. They regulate rainfall to reduce flooding and can also be used as a teaching resource.



Building Management System

Manages all heating, ventilation and energy usage across the College 24/7 to ensure efficiency – can be controlled remotely from a PC.

