PROJECT GREEN ENGINEERING








Stonbury is pleased to deliver a wide range of green engineering solutions that enable the water and wastewater industries to operate sustainably and help mitigate the effects of climate change.

The water and wastewater industries have been pressed to address carbon emissions, over-abstraction, biodiversity loss, and increasing demand for wastewater treatment. Stonbury's green engineering solutions enable these issues to be addressed whilst securing the long-term sustainability of vital water resources.

RIVER RESTORATION

Restoring rivers to a more natural geomorphology slows flows, aids the river's capacity to retain water, and improves water quality whilst increasing biodiversity. Stonbury is currently contracted to restore rivers across the north and south of England including chalk streams in Hampshire.

REEDBEDS

Stonbury delivers several reed bed build, maintenance and refurbishment programmes for clients across the UK. Reedbeds provide effective tertiary wastewater treatment whilst supporting wildlife, sequestering carbon and helping to protect against flooding and drought.

NATURAL FLOOD MANAGEMENT

Natural flood management reduces excessive quantities of water entering settlements and sewerage systems, and includes techniques such as artificial wetland creation, tree planting, and river channel works which utilise natural products such as MSE vegetated banks.

SUSTAINABLE ENERGY

Stonbury is now involved in the construction of biomethane harvesting lagoons which will allow clients to produce sustainable biofuel from livestock waste.

Stonbury's green engineering programmes use life cycle thinking which provides immediate solutions whilst resulting in carbon reduction, biodiversity net gain, and protection against both flooding and drought. Stonbury endeavour's to further reduce environmental impact in all schemes by using bio-friendly materials and locally won or recycled materials.