

SuDS Planter case study

Project: Sustainable Drainage for Nature

Location: Wales

Client: Keep Wales Tidy

Date: Apr 2020 - Feb 2021



In a recent project, Environmental Charity “Keep Wales Tidy” offered development packages to create, restore and enhance local places for nature. The programme criteria centred around creating community access to nature in urban/peri-urban locations. The packages were made available to a range of groups including community groups and NHS trusts.

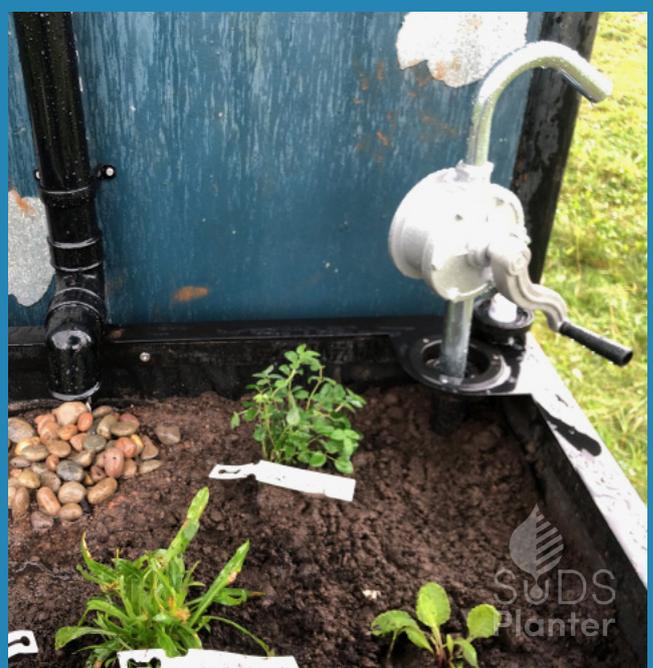
One of the three options available was the “Sustainable Drainage Systems for Nature” package which was aimed primarily at communities in areas prone to localised flooding. The goal was to transform paved or hard surfaces into green spaces, reducing surface water run off and boosting biodiversity. The first component in this package was the installation of two SuDSPlanters, fitted to an existing guttering system on a building on site. Other elements included a native tree pack, apple trees, wildflower turf and hand tools.

SuDSPlanters collect and filter roof water, reducing the volume and allowing cleaner water to slowly drain back into the sewer system, thereby improving the health of local watercourses and reducing the risk of pollution and flooding whilst adding an interactive green space to an otherwise urban area. A wide range of plants in the planter will increase biodiversity and plants can be chosen specifically to encourage certain species.

The SuDSPlanter package has met the goals of the Keep Wales Tidy project to create space for nature in almost 20 separate locations across Wales.



P.1. The SuDSPlanter provided an interactive planting zone for children to engage with nature. Native planting increases the habitat of the local area.



P.2. The Education SuDSPlanter is supplied with a removable / lockable pump to allow the children to access the reservoir whilst providing water security when not in use.



SuDS Planter case study

Project: Abergavenny Community Centre

Location: Monmouthshire

Client: Keep Wales Tidy

Date: Sep 2020



As part of the Keep Wales Tidy Sustainable Drainage Systems for Nature development package, SuDSPlanter supplied and fitted two medium size, recycled plastic Education Planters at Abergavenny Community Centre.

The community centre is housed in the former Park Street Infants School a short distance from the centre of Abergavenny and offers a range of services and activities including family outdoor play sessions and a gardening club.

The SuDSPlanters were installed to collect the rainwater from roof areas of 30m² and 40m² from the main building and were fitted to Education specification - which includes lockable pump systems to allow children to access water stored within the planter as well as a step along the front of the planter to make it more accessible for small children.

The use of the SuDSPlanters within the Keep Wales Tidy package helps to transform a paved or hard surface into a green space that will reduce surface water runoff and improve the health of local streams and rivers by capturing pollutants washed off the roofs when it rains. It also boost biodiversity as the planters work best with a wide variety of plants which can be chosen specifically to help butterflies, bees, birds and bats.



P.1. The SuDSPlanter forms a feature within the yard, and seating for visitors whilst working in the community garden.



P.2. The centre has installed a SuDSPlanter at the main gate to the community centre, forming an entrance feature and addressing surface water flooding downstream.

