

Severn Waste Services

Recycling facility



Project name:

Severn Waste Services Recycling Facility

Location:

Norton, Worcester

Value:

£4.5m

Services:

Architecture

The Brief

Herefordshire Council, Worcestershire County Council and the District Authorities in Worcestershire wanted to provide a common and simple system for the collection of dry recyclable materials from kerbsides across the two Counties. The authorities wanted to adopt a system of mixed or 'commingled' collections, whereby householders are requested to place all recyclable materials into a single bin for collection.



Project Overview

One was tasked to design the commingled materials reclamation facility (CMRF), where materials are separated and dispatched to reprocessors for ultimate remanufacture into goods.

Layout of the site was key to ensure suitable access points to cater for the large amount of vehicular traffic and a design that would support the facility's operational requirements. By working closely with the provider, One's architectural team produced a design centred around the production line, taking into account workflows, health and safety requirements and building services systems.

The 7,137 sqm facility, which also includes a teaching facility for local school children, has enabled an increase in the range of materials that can be separated for recycling and is helping support the community's environmental commitment.



The Benefits

- **Bespoke design created to enhance the facility's process** - The One design team worked to tight timescales while ensuring the bespoke design was created around the production line the client required. The design also seamlessly incorporates a number of H&S features as the plant handles tonnes of flammable materials every day, therefore the building services team worked closely with architecture to make this possible. Due to the large amount of vehicle movements within the process plant, the design team also ensured the access and egress points to the building and site perfectly suited these operations.
- **An integrated teaching facility ensures future generations can learn about recycling and environmental sustainability** – One of the key considerations in the design was the incorporation of a classroom within the front of house office and welfare accommodation, as well as the positioning of a viewing mezzanine to allow local school children to come to the plant, learn about the facility and how this fits into a community's environmental responsibility.



For further information
please contact:
One Creative Environments Ltd
T: 01905 362300 www.oneltd.com