

### INDUSTRIAL CASE STUDY

#### Heavy Duty Liquid Process Station

Eccleston Engineering has a long-standing relationship with a multinational environmental and infrastructure engineering company.

We were asked to consider their requirement to produce a self-contained, bunded IBC process station.

The process station must fit within a standard 20ft container, process up to 4 IBCs at once, provide a working platform, and secondary containment to any spillages, up to a volume of 2,000 litres. Additionally, the station must be strong enough to withstand the rigours of loading IBCs with forklifts and provide a safe and efficient way to slide the containers across the bed – withstanding the dynamic loads arising from the process.



Eccleston Engineering designed a modular system which enabled the process station to be assembled in the container. A robust steel frame with nylon wear surfaces supported and transferred the IBCs through the process, whilst a self-balancing steel containment sump mitigated against any spillages.

Throughout the entire process we always considered the requirement to deliver this project safely, reliably and to the highest standard.

LOCATION	Greater Manchester
CHALLENGE	Heavy Duty Liquid Process Station
SOLUTION	Modular Frame with Wear Surfaces and Secondary Containment