

External Screens Case Study – *Clipper House, Trinity Buoy Wharf, London*

Clipper House is home to Thames Clippers Headquarters, the river bus service on the Thames in London. The building is located in Trinity Buoy Wharf which is a centre for the arts and creative industries developed by Urban Space Management, famous for their urban regeneration and innovative Container City system.

The office containers were recycled from the 2012 Olympic Broadcasting Studios at Stratford Olympic Park and include three 5m by 3m south facing windows. Envioblinds external screens were selected for the project because they could span the whole width of the windows, without the need to split them into sections.

The solar gain through these windows can be excessive and lead to overheating, even in the winter months. To save on the cost of using an expensive, energy intensive air handling unit for cooling, Envioblinds screens were installed together with a simple cassette system for heating and cooling.

The screens are operated with remote control and include a sun and wind sensor that automatically lowers the screens when the sun is strong. The wind sensor automatically opens the screens at high winds to prevent them from being damaged.

Clipper House, which is used as an office space offers the tenants a stunning view of the o2, even with the screens down, reduced glare on their computer screens and a comfortable indoor temperature and working environment.

