

Window installation device

Construction Occupational Health case study COH07

The problem

Large, heavy glazed units needed several workers to move and install them. The size of the units also meant that they were difficult to handle.

The risks

Large pre-glazed units are heavy and awkward to manually handle. This exposed workers to a risk of back injury, especially if the load was not shared equally.

The solutions

The company used a mobile hoist (Figure 1) and a suction frame lifting accessory (Figure 2) to lift and position pre-glazed units ready for fixing.

The benefits

- The equipment eliminated the need for manual handling.
- Installation time reduced significantly.
- The mechanised process virtually eliminated damage to units.



Figure 1 Mobile hoist



Figure 2 Suction frame lifting accessory

Notes

- Best used when combined with a 'vertical storage frame'.
- Operator training required.
- A 'rough terrain' self-propelled hoist is also available.