

## 1. The customer's challenge.

When constructing a multi storey (6 storey) building in London, Mizen Design had a loading platform weight limitation of 2 tonne, due to the lifting capacity of the Tower crane on the site. Because of the weight limitation, standard loading platforms could not be used. 4 special lightweight, 1.8 tonne, loading platforms had to be designed and custom manufactured. The 2.6m platforms ensured that Mizen could load and service the project.

## 2. Xena's solution.

Using Xena's standard 2.8m platform as a starting point, the lighter weight was achieved by slightly reducing the platform width to 2.6m and its length to 7m. Additional weight savings were achieved by using lighter sections in some of the construction. This produced a platform with a safe working load (SWL) of 2 tonnes, although reduced from Xena's normal standard platform, it still matched the lifting capacity of the tower crane being used.

## 3. The benefits to the customer.

**Flexibility** Xena's bespoke and flexible approach ensured that Mizen were able to start loading on the project within 6 weeks of placing the order

**Increased efficiency** - the platforms "have saved us a significant amount of time both in loading the building and in manpower" Mick Hill Site Manager

**Enhanced safety compliance** using a loading platform has enabled staff to work in a safe area when transferring materials to the construction floor.

**Cost effective** the platforms "have paid for themselves" due to the increased efficiency.

## 4. Our approach

Xena's approach to any problem is, "satisfy the customer without compromising safety". Our qualified engineers can design platforms for any bespoke applications to meet customer's requirements, while our in-house fabrication facility is able to manufacture "specials" to the highest quality. Our experienced installation crews provide support and assistance on the suitability of installation site and installation methods.



### The project

A lightweight platform of less than 2 tonnes.

### The benefits

Flexibility

Increased efficiency

Enhanced safety

Cost effective