

# Penthouse Modules

## The Problem / Challenge

On a recent waste to energy project Peers were tasked with supplying two fully clad penthouse structures above a bank of silos over 40m above ground.

## The Risks

Working at height was the main risk, especially for the cladding as available space for scaffold was limited and only specialized access equipment could reach the workforce.

## The Solution

After talks with the clients and his engineers it was decided that the best, and safest way, to build these structures would be at low level, local to the final installation and erected in two halves.

## The Benefits

- Limited Working at height.
- Expensive specialized access equipment avoided.
- Scaffold costs were kept to a minimum.
- Programme shortened.

## Key Points

- Early involvement with the scheme designers.
- Structure changed to suit lifting.
- Temporary Build-Up frame supplied.
- Small crane for build-up.
- Large 500T crane final installation.



*Built up Module*



*Module Being Lowered.*



*Erected Half Module - Top Right*



*Module Being Lifted*