

Prefabrication and Off-Site Manufacture

The Problem/Challenge

Identification of construction issues involving working at height in difficult or dangerous conditions to encourage safer working.

The Risks

Falls from height and injuries or ill-health due to working in the above conditions.

The Solution

Early identification of the issues to the client and contractor to encourage off-site working where possible. Analysis of the access and crane capabilities of the site are essential to validate the decisions and locations of large modules.

The Benefits

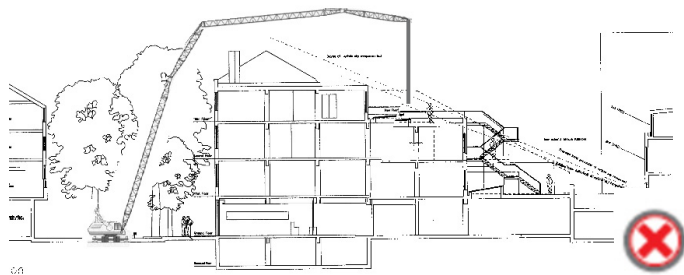
Prefabrication reduces work at height and on cold wet sites allowing off-site fabrication in factory conditions but it increases hazardous heavy lifting, access and transportation issues.

Prefabrication can be advantageous to CDM but is not always the answer.

Key Points

Review the buildability and access issues with contractor as early as possible.

Cost benefits may be possible as well as safety benefits.



Sectional analysis for crane access



Road closures and traffic issues



Vaults, trees and crane size issues