

# Technology & Skills in the Construction Industry

## UK Construction Industry Today



Sector dominated by high levels of self-employment

SMEs account for **95%** of the sector



## Offsite Construction

**12%** of construction takes place offsite. e.g. pods, 'kit' homes, panelised systems

Close links to manufacturing sector

Most commonly associated with pre-fabricated post war building but is increasingly technology driven

## Why Build Offsite?

Key to realising new opportunities for the industry

Control costs		Increase productivity	
Increase quality and efficiency		Expand construction export market	
Improve energy efficiency		Attract young people to the industry	

## Skills Required

Offsite presents skills requirements that are distinct to those in traditional construction. Bespoke nature of offsite creates challenges to provision of qualifications and training.

1. Cross-industry collaboration	3. Design and IT
2. Project management	4. Marketing and business case development

## Future Jobs and Skills

If the uptake of offsite increases, an increased requirement for:

Schedulers Quantity Surveyors Design office staff Project Managers Engineers	SMALLER TEAMS required to assemble components onsite	Management of interface between offsite and onsite
Collaboration between occupations and across manufacturing and construction industry	Multi-skilling and greater flexibility within job roles	Knowledge and use of Building Information, Modelling and automated tools
		Knowledge of scheduling, planning and the 'whole life approach' to structures