

# THE PRODUCT PLATFORM RULEBOOK



# PRODUCT PLATFORMS ARE A BALANCING ACT



## **MMC CATEGORIES**



In the construction industry, manufacturing products for the built environment in a factory are classified by Modern Methods of Construction categories (MMC). Categories include onsite and offsite construction solutions.



STRUCTURAL	SYSTEMISED	STRUCTURAL	MANUFACTURING	ASSEMBLIES &	BUILDING	PROCES
SYSTEMS	STRUCTURAL	COMPONENTS		SUB-ASSEMBLIES	MATERIAL	
(volumetric	COMPONENTS					
modular)						

**DEFINITIONS** 

#### **PRODUCT PLATFORM**

A kit of parts, associated production processes, and the knowledge, people and relationships required to deliver all or part of construction projects using a platform approach. A product platform provides a stable core which is configured and combined with complimentary components (via defined interfaces) to suit a particular project. A product platform also includes the processes, tools and equipment required for assembly.

**DESIGN FOR MANUFACTURING AND ASSEMBLY (DfMA)** is a design approach that focuses on ease of manufacture and efficiency of assembly. By optimising the design of a product it is possible to manufacture and assemble it more efficiently, more quickly, more safely and at a lower cost.

#### THE DEFINITION FRAMEWORK IDENTIFIES THE FOLLOWING 7 MMC CATEGORIES:

**Category 1 –** Pre-Manufacturing - 3D primary structural systems Category 2 – Pre-Manufacturing - 2D primary structural systems **Category 3 –** Pre-Manufacturing - Non systemised structural components **Category 4 –** Pre-Manufacturing - Additive Manufacturing **Category 5 –** Pre-Manufacturing - Non-structural assemblies and sub-assemblies **Category 6 –** Traditional building product led site labour reduction/productivity improvements **Category 7 –** Site process led labour reduction/productivity improvements

### **DfMA PRINCIPLES**

