Reducing barriers to MMC – new CIRIA/BOS guidance

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Manufacturer perspective



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Using performance specifications in construction projects - guidance	
projects – guidance	



Introduction

Who am I? Objectives today The guidance



Introduction

UK build process Why MMC? A common language



Delivery Models





Design Manufacturing Flexibility





Model 1: Engineer to Order (ETO)





Model 2: Modify to Order (MTO)

MTO [Modify to Order] Low Design **High Design** Flexiblity Flexiblity Low Manufacturing High Manufacturing Efficiency Efficiency manufacturer's construction and requirements manufacturing design + documentation pricing research SD DD BD CD BN CA PD A+I DC SCHEMATIC DESIGN BUILDING CONSTRUCTION **BIDDING &** CONSTRUCTION PRE ASSEMBLIES + DEFINED DEVELOPEMENT DESIGN DESIGN PERMIT AND INTERFACES DOCUMENTS NEGOTIATION COMPONENTS MANUFACTURING ADMINISTRATION Within Project Delivery Within Standard



Model 3: Configure to Order (CTO)





Model 3: Configure to Order (CTO)



Within CTO Platform



Within CTO Platform



Within CTO Platform



Within CTO Platform



Model 4: Select Variant (STO)



Figure 3.29 STO flexibility versus efficiency





Engage the MMC market

Think like a manufacturer







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