

DAY 1 Masterclasses

10.30 – 11.45 The Industrialisation of Construction

Hosted by: Tim Hall, Total Flow

Summary: The potential for productivity and performance improvement in Construction has been recognised since before Egan's 'Rethinking Construction'; yet realisation of that potential has eluded government, clients contractors and suppliers alike. This masterclass will explore an Industrial approach to deliver the Construction 2025 targets. Our ambition is to achieve the following:

- ◆ **Clients** to identify how an Industrial approach can enable them to specify their requirements in a way that will deliver better, faster cheaper construction outcomes.
- ◆ **Contractors** to identify how a Right to Left™ approach can generate profitable repeat business by focusing on Client Value.
- ◆ **Suppliers** to identify ways of presenting their innovations as enablers of client value rather than a risky new product.
- ◆ **Designers and Consultants** to identify how their roles can evolve to enable greater value to flow between clients and their suppliers.

Our goal is to build a consortium with the ambition to create an Industrial Supply Chain to deliver unparalleled levels of capability across a specific supply chain. A big ambition for an hour's Masterclass, but it is not in our nature to aim low and achieve mediocrity.

12.00 – 13.30 Modelling Offsite Costs & Sustainability

Hosted by: Prof Bernard Williams

Summary: The session will focus on outputs from the UKCES funded Comparator project including:

- ◆ Modelling whole life costs, embodied carbon & sustainability ratings
- ◆ Analysis of prime cost, elemental cost & whole life cash flow
- ◆ Comparing on-site with offsite solutions
- ◆ Calculating construction project times & material waste reduction
- ◆ Hands on working with the CombiCycle Model

14.00 – 15.30 TDS—Winning with BIM since 2012

Hosted by: Daniel Leech, TDS Group

Summary:

- ◆ A working case study – Chiswick Park 2012
- ◆ Transitioning from Drawing Office to BIM
- ◆ BIM for Manufacturers
- ◆ DFMA – Designed for manufacture & assembly

DAY 2 Masterclasses

10.30 – 11.45 Transforming the Performance of the Construction Industry

Hosted by: Ali Mafi, Lean Thinking Ltd

Summary: At present there is little or no retained learning within much of the construction industry. Much of the effort using BIM and collaborative working is targeted on the wrong improvement opportunities at the wrong level, delivering only small scale benefits. Based on 20 years' experience working with clients and contractors to turn projects around Ali will describe the 7 steps to transforming productivity, maximising benefits through the opportunities offered by offsite solutions, reducing construction time and ensuring quality.

12.00 – 13.30 Modelling Offsite Costs & Sustainability

Hosted by: Prof Bernard Williams, Comparator

Summary: The session will focus on outputs from the UKCES funded Comparator project including:

- ◆ Modelling whole life costs, embodied carbon & sustainability ratings
- ◆ Analysis of prime cost, elemental cost & whole life cash flow
- ◆ Comparing on-site with offsite solutions
- ◆ Calculating construction project times & material waste reduction
- ◆ Hands on working with the *CombiCycle* Model

14.00 – 15.30 Offsite Management School: Explore the benefits of up-skilling your organisation to understand DFMA

Hosted by: Ken Davie, Carillion

Summary: Have you ever considered what skills are required to facilitate Design for Manufacture and Assembly (DfMA) and understand how the Offsite Management School can help you and your organisation to do this? By attending this session you will understand what those skills are and how you can start to develop them within your business by using the School. You will also have the opportunity to brain storm with your peers and explore if, and how, the process for identifying and implementing DfMA can be made more efficient. This thought provoking session will be chaired by Ken Davie, Offsite Development Manager, Carillion Building explaining the process used for the design phase of the Midland Metropolitan Hospital Project as an example to inform the discussion.