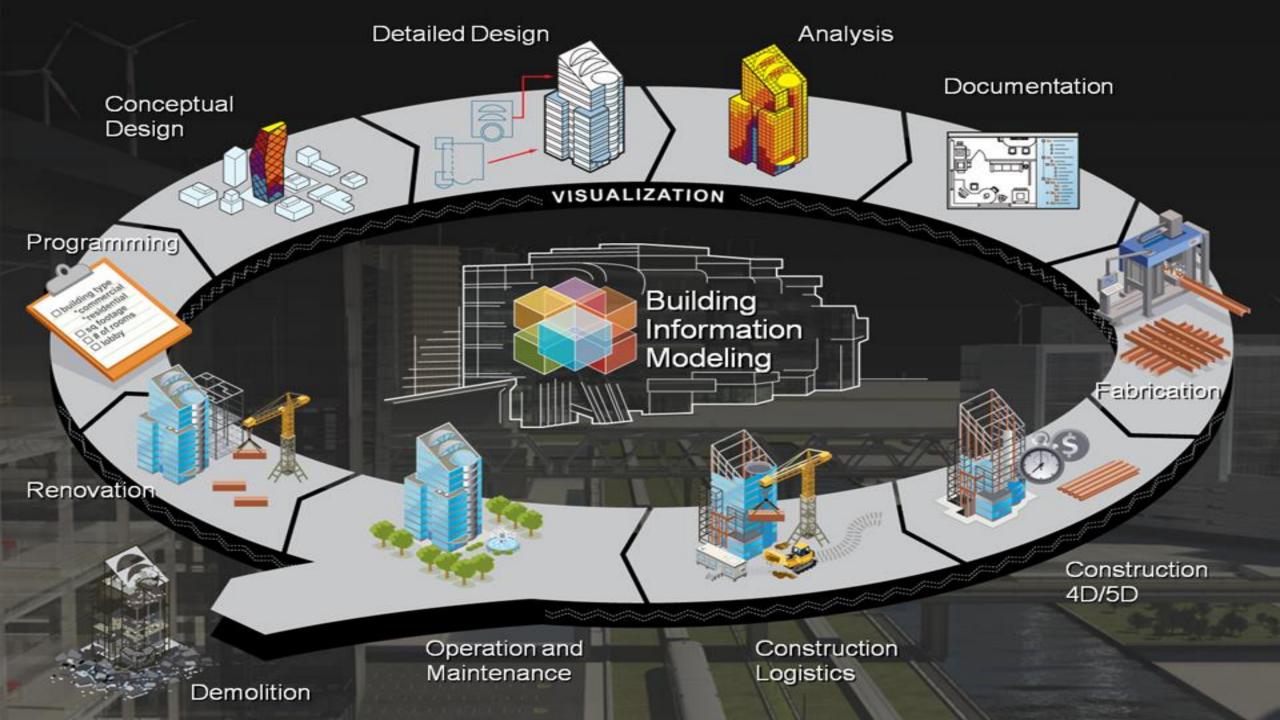
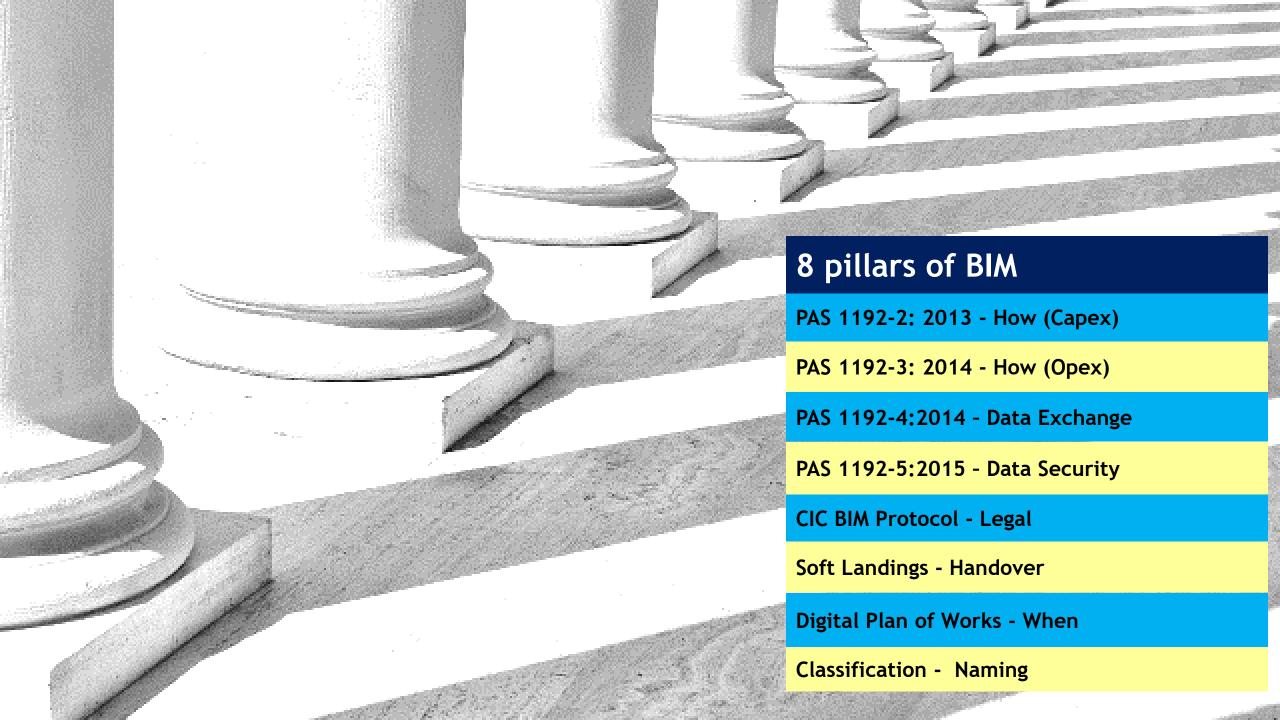


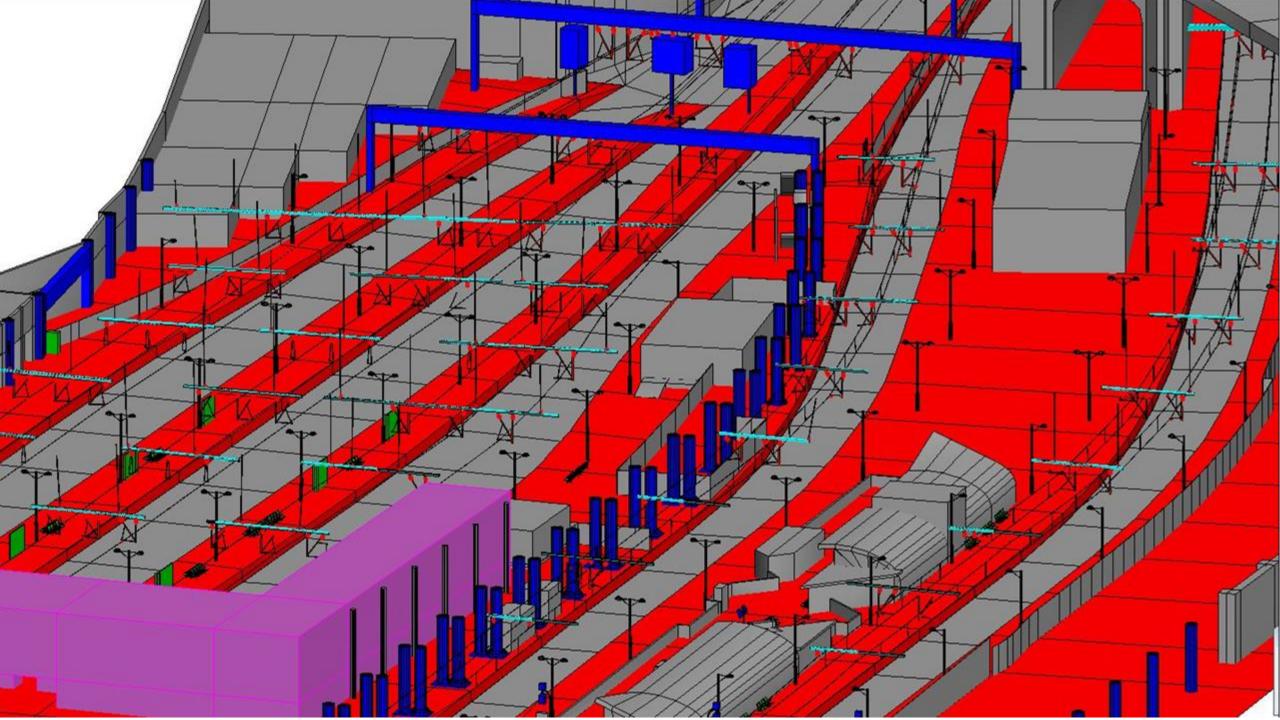
BIM - The Challenges and Opportunities for Rail

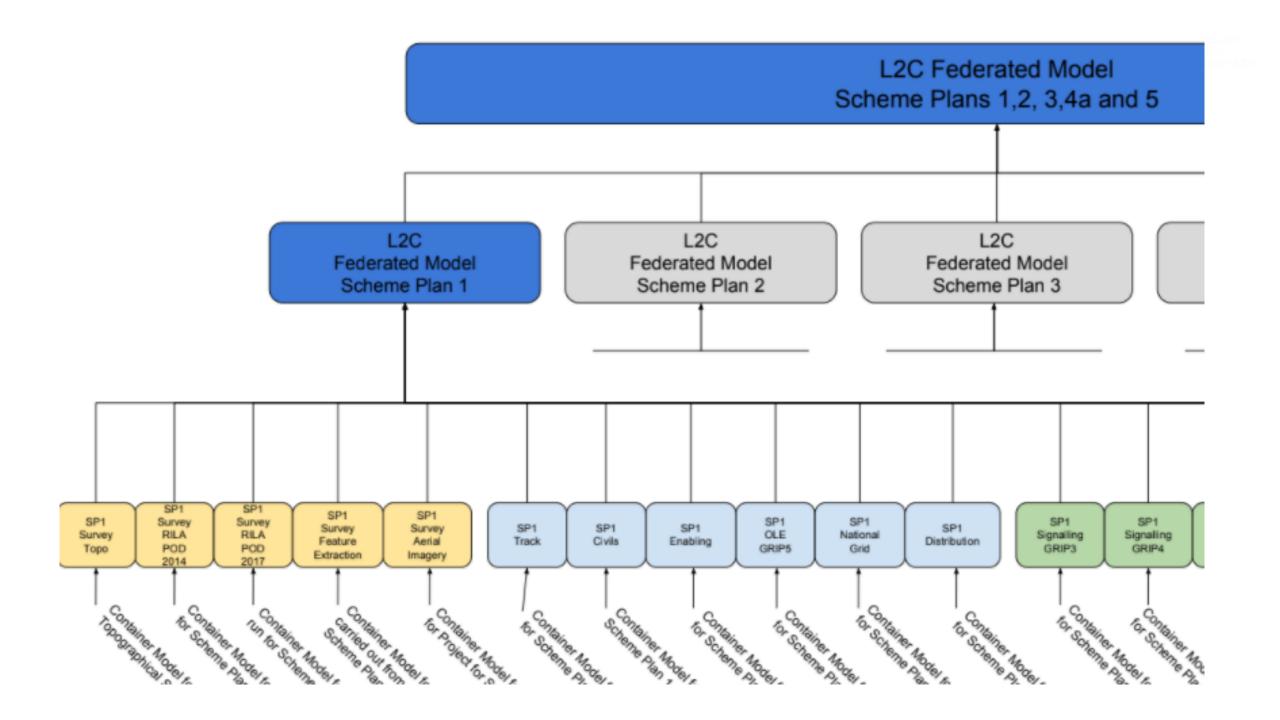
Simon Wray, Infrastructure Lead, The BIMstitute, UK

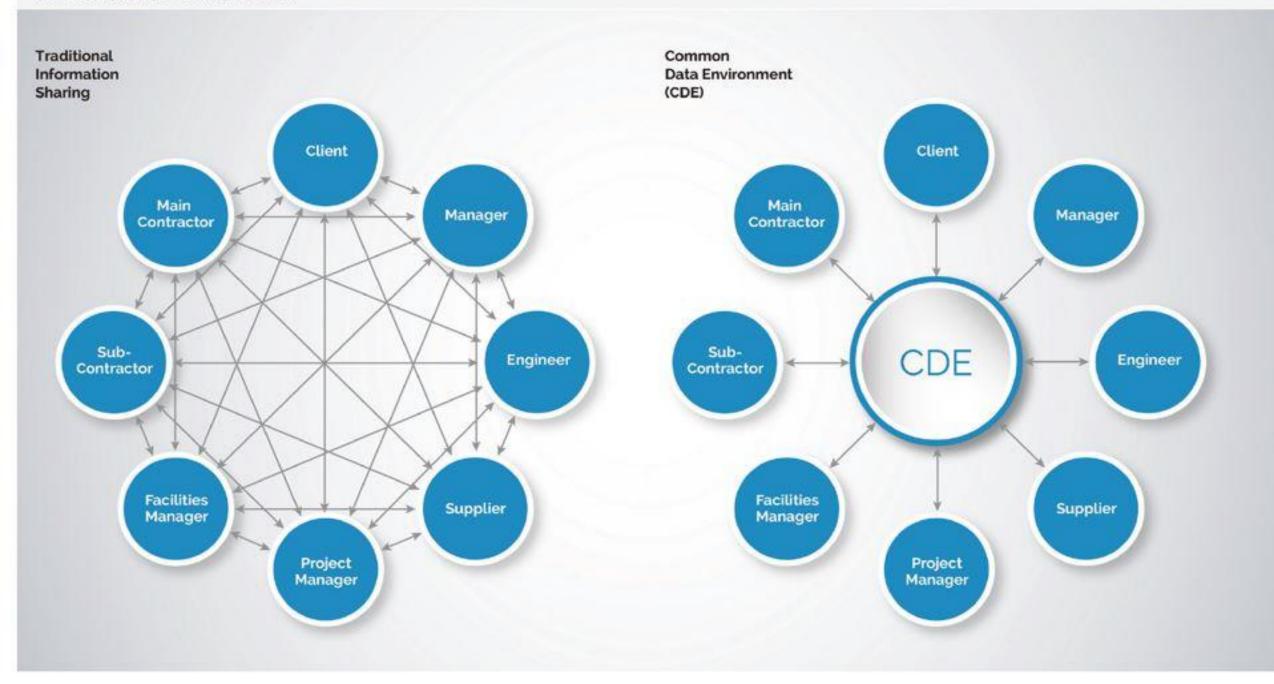


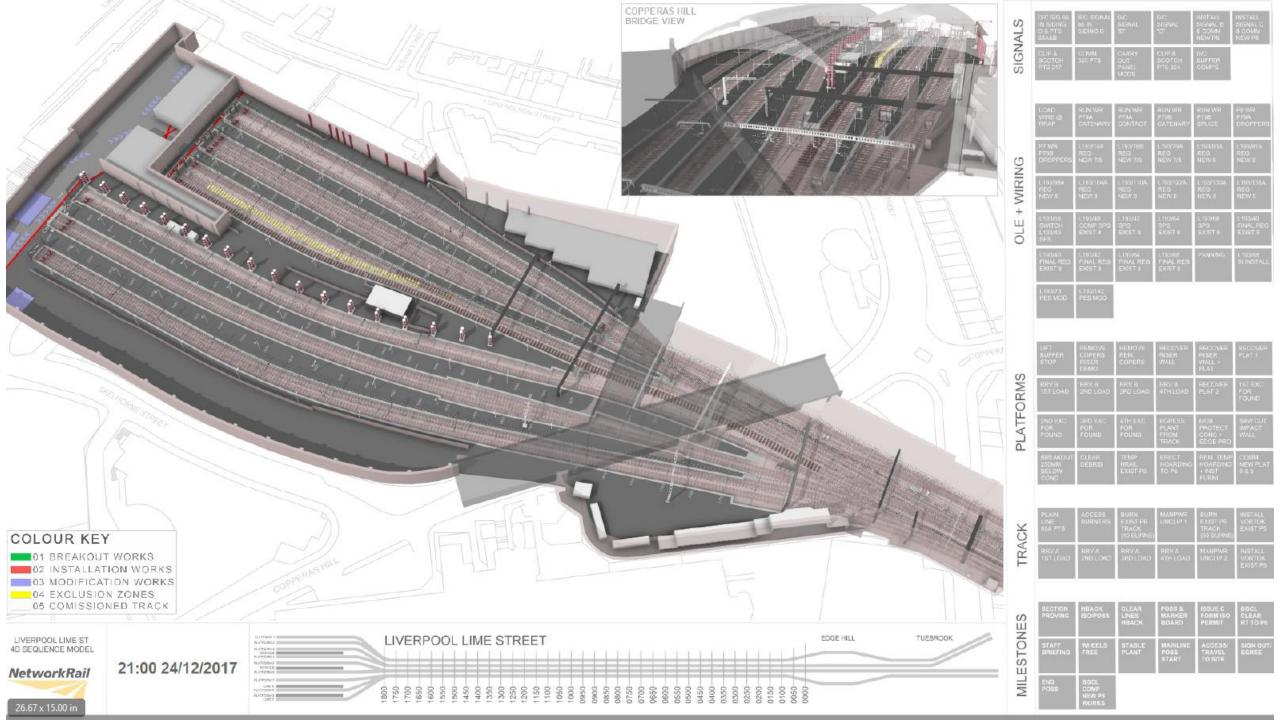


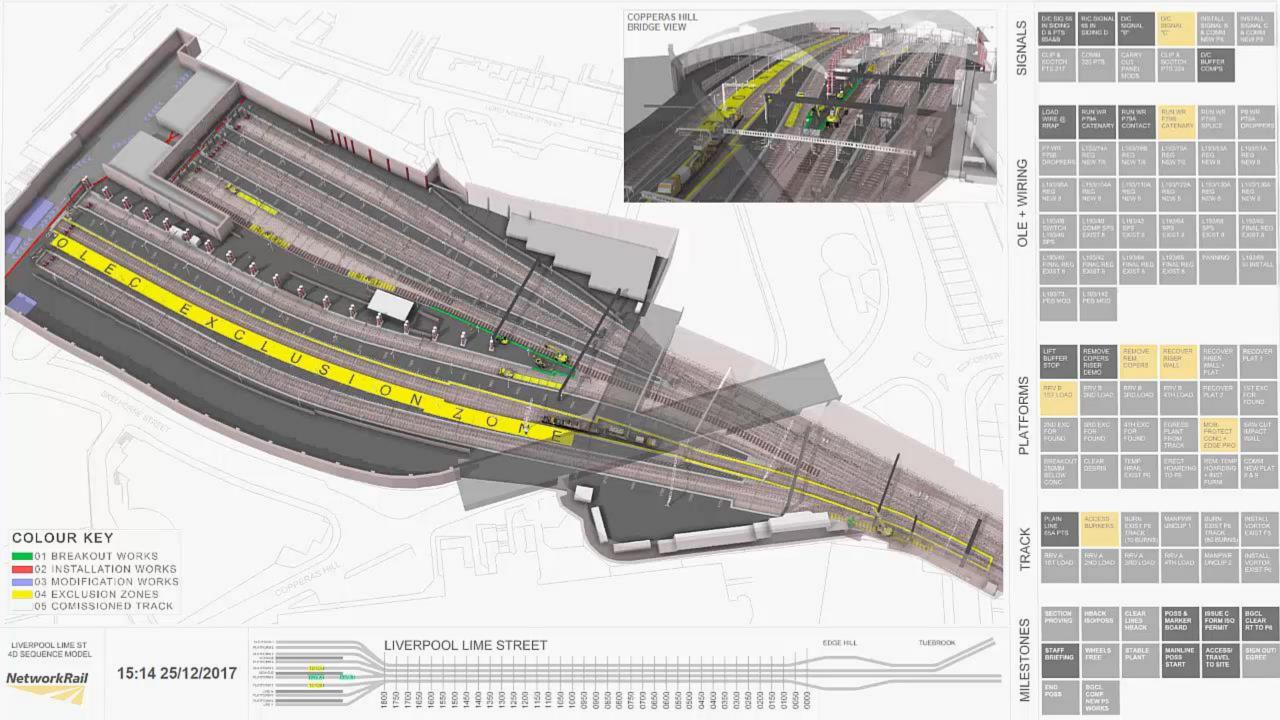






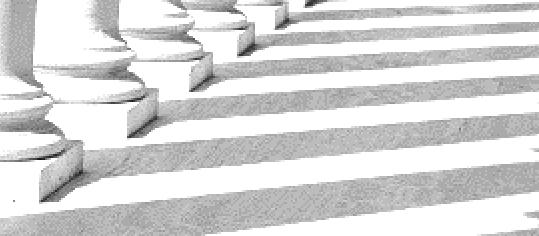






Key Challenges

- B in BIM stands for Building
- Classifications are all written for buildings
 - not infrastructure
- Lack of informed and impartial support
- Fragmented asset information requirements
- Lot's of "noise" hundreds of vendors, who to choose,?
- Rail Design tools not BIM compliant....



8 pillars of BIM

PAS 1192-2: 2013 - How (Capex)

PAS 1192-3: 2014 - How (Opex)

PAS 1192-4:2014 - Data Exchange

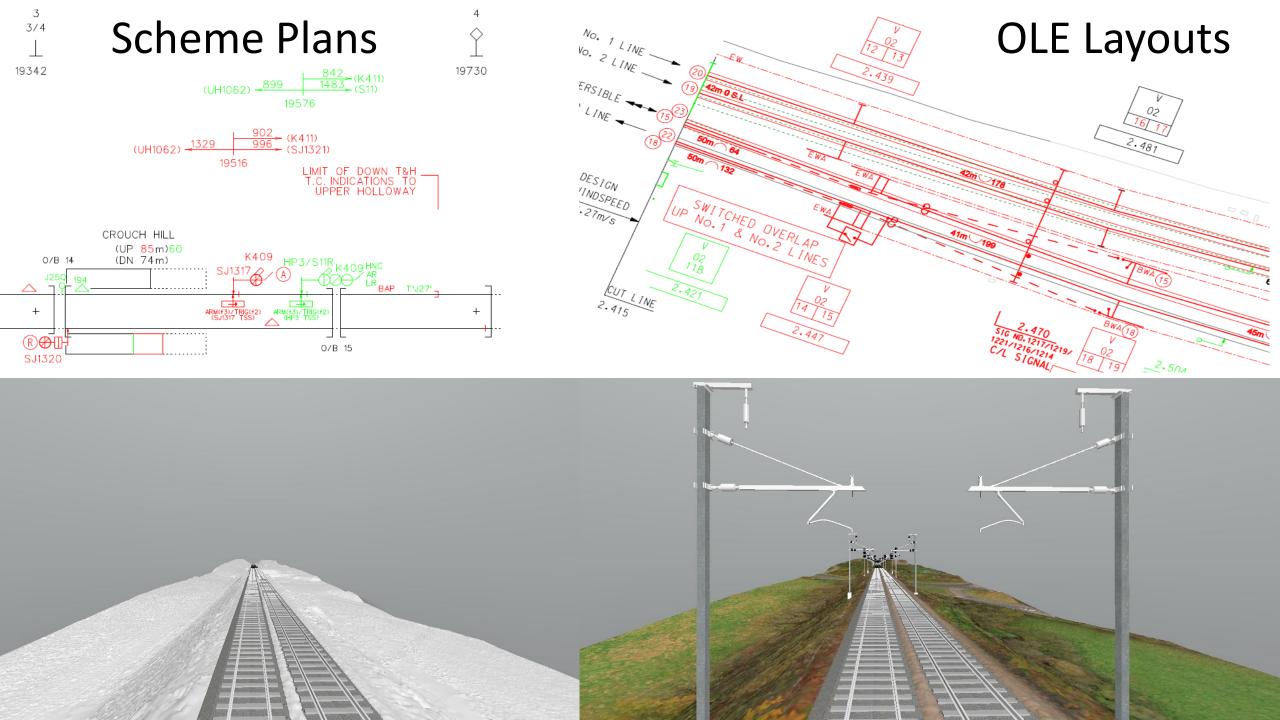
PAS 1192-5:2015 - Data Security

CIC BIM Protocol - Legal

Soft Landings - Handover

Digital Plan of Works - When

Classification - Naming











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