



**UNIVERSITY OF  
CAMBRIDGE**

Department of Engineering

## **CONSTRUCTION ENGINEERING MASTERS DISSERTATION ABSTRACT**

### **Can BIM Level 3 operate within multiple bipartite contracts, or is a move to multiparty contracting essential?**

This thesis explores, which contractual framework within the UK can be adopted to support Building Information Modelling maturity level 3 “BIM level 3”.

The research investigates what BIM level 3 is, including (but not exhaustive) the driving factors to adopt BIM in the UK, contractual risk and opportunities that may be developed beyond design risk and the existing contractual arrangements supporting BIM in the UK and the US.

The research goes on to analyse the law concerning the liability of a designer under bipartite contractual frameworks and develop the thought that bipartite contracts will not be suitable for adoption of BIM level 3.

The thesis concludes with a review of multiparty contractual frameworks that are currently adopted in the UK and the suitability of the contracts to adopt BIM level 3.

The conclusion of the research is that bipartite contracts could be adopted for use in conjunction with BIM level 3. However, multiparty contracts would be more favourable due to their ability to share and limit risk amongst the whole design team in one agreement.

**Kalpesha Ladwa**  
**October 2014**