A key theme in the Faculty of Engineering's Strategic Plan is investment in the growth of Bioengineering. In order to extend Bioengineering research capabilities, additional research and teaching facilities were required to accommodate rapid growth in research activity and create additional student project space.

In advance of securing additional space outside the Faculty’s existing space envelope (such as the Bio-incubator and/or at Imperial West), opportunities were identified to improve the utilisation of existing space through the reconfiguration of laboratories, relocation of under-utilised equipment and conversion of redundant space to academic use.

This opportunity related to the clearance, refurbishment and conversion of currently unusable space on Levels 0 and 1 of the Bessemer Building in order to accommodate the research activities of the Centre for Blast Injury Studies; requiring space to host high energy impact test rigs. The space required standard laboratory utilities, a 3-phase power supply, a higher than average ceiling height and a structurally reinforced floor in order to host a drop tower and other impact rigs. The space needed to be flexible enough that it could easily be adapted to a future change in use if needed. A newly-created mezzanine area provided dedicated teaching space to accommodate 30 students.

The project delivered:
- Clearance of existing debris in basement room B001 (79sqm)
- Creation of 53sqm of new mezzanine floor for teaching lab
- Reconfiguration and reorganisation of the loading bay.
- Refurbishment of an area totalling 245sqm.

**Construction Project Team:**

- **Project Manager:** Imperial College
- **Contractor:** Russell Cawberry
- **Architect:** Boswell Mitchell Johnson
- **Mechanical Services Contractor:** Mechanical Services Ltd
- **M & E Engineer:** Troup Bywaters and Anders
- **Electrical Services Contractor:** W&L Installations
- **Structural Engineer:** Curtins
- **Cost Consultant:** Mortimer Isaacs

**Project Facts & Figures:**

- **Budget:** £1,100,000
- **Funding Source:** Capital

**Construction Project Programme:**

- **Start on Site:** March 2014
- **End Date:** August 2014
- **Occupation Date:** September 2014

For further information contact Project Manager as listed above or Estates Projects Information Manager c.beard@imperial.ac.uk 020 7594 5318