

- **Assessment Task Two: Individual Technology Innovation**

Worth 60% of the overall course grade.

An Individual Assignment.

Due: Monday 18th November 2019.

This assessment task is an INDIVIDUAL exercise to prepare and present an innovative application of a digital technology of your choosing to a specific construction industry organisation of your choosing. The application needs to be a specific product or use case, promote Integrated Project Delivery, and be specific to a particular use case for your selected organisation context. The assessment task follows the group study task undertaken during the teaching weekend with the exception that students can pick any technology and organizational pairing, OTHER than one of the five included in the group exercise. So, NOT: Machine Learning/AI to Planning; Cloud Computing to Architecture; Robotics to Construction; Internet of Things to Facilities Management; or, Blockchain to Real Estate. Any other pairing combination, choice of technology, or discipline is fine.

Each student should identify a specific organization, preferably their current employer, as the ‘target’ discipline context for their application of the technology.

Each student will identify, describe, evaluate and pitch an application of ONE potentially disruptive digital technology that is currently not widely adopted in the Hong Kong construction industry and which they believe will promote Integrated Project Delivery within their specific organization if adopted with imagination.

- The description of the specific product/use case should be articulated in functional terms, and explain how it is relevant to your nominated company. (5-10 pages)
- The evaluation should make use of sourced material to discuss the disruptive potential, if adopted with imagination, by your specific organization. To determine the value proposition of your disruption you will identify what barriers might exist to the production and use of the application with respect to a specific product/use case, and evaluate its broader market potential. (5-10 pages)
- The pitch should be video recorded and be no more than 3 minutes in duration. It should be aimed at/for the senior management of your nominated company. The presentation will be strictly limited to 3 powerpoint slides.

The presentation will be assessed in terms of:

- the imagination, strength and relevance of the innovation (25 marks)
- the depth and breadth of the disruptive evaluation, technical assessment and market potential (50 marks)
- the structure, clarity and professionalism of the presentation (25 marks).

Submission of work:

- The written component is to be submitted in the form of a report/innovation proposal, as a SINGLE pdf format file.
- The video component is to be submitted as a SINGLE mp4 format file.
- Students should upload their assessment work to Moodle by 11:59 on Monday 18th November 2019.
- Students are strongly advised to retain a copy of their submissions.