

SPD5152 Industry-Based Student Project

<http://ibse.hk/SPD5152/>

Proposed Topics (2016-2017)

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Title:	Enhancing fire and electric safety in Tung Choi Street, Mongkok
Description:	Tung Choi Street is congested with paidongs which pose fire and electric hazards to the passers-by, nearby shops and residents. This study is to explore ways to enhance fire and electric safety of the street from building services engineering perspective.

Title:	Retrofitting building services for a more energy efficient office building
Description:	With drastic climate change these years, every government and corporate entity is endeavoring to reduce carbon emissions majority of which come from energy consumption of commercial buildings. This study is to explore ways existing building services systems be retrofitted to enhance energy efficiency and in turn reduce electricity consumption in an office building.

Title:	Retrofitting building services of an industrial building converting into a hotel/service apartment
Description:	Different property class has different building services needs. With the decline of Hong Kong industry, more industrial buildings are left vacant and their owners are thinking of conversion of their factory buildings into commercial use such as hotel/service apartments. A hotel/service apartment tower requires different building services systems to an industrial building. This study shall explore the ways the building services systems of an industrial building be modified or retrofitted when converted into a hotel/service apartment building.