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Programme: Master of Architecture

Course: AAHM10 [Degree Project within Master Programme in Architecture]

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Project Title: LAFT

Degree Project Description

"Transportation" is believed to be one of the main essential elements for the development of human civilization. From road to rail and from sea to sky. Till now, we human have formed many varied modes of transport that we facilitate in our daily lives.

It is inevitable that a place that gathered the more people, the greater consumption of transportation. Many demanding cities like London, New York City, Beijing and etc. have set up multi-transportation system within the city and large infrastructures to manipulate the high accessibility rate of mobility. However, as cities develop and densify, the existing intra-city transportation systems have reached its limit capacity. It is very often to find these cities with heavy traffic and conjunction. In relation to this situation, many businessmen would rather spend more money on an expensive vehicle that travels unimpededly in sky to earn more time in return. A very common phenomena in São Paulo, Brazil, millionaires use helicopters as taxi to avoid traffic jams.

The project "LAFT" (Low Altitude Flying Transport) aims to introduce a new transportation system to an existing urban context with a dense environment (Hong Kong) and to explore and examine a possible new building typology under the implementation of this new system.

Using the newly designed "Ehang 184" *(an automated single-passenger flying vehicle)* as reference and starting point, the project started with an assumption that the new flying transportation scheme has initially been accepted to be our future communication network. Instead of replacing any of the old existing networks, it will be an additional supporting network that helps to relieve the busy traffic on other transportation networks. However, the project will use a transformed version of Ehang 184 that carries over 15 passengers in place of the single-passenger drone. This is to match the project concept of promoting public transport.