

## Yau Lee High Rise Concrete MiC System

Yau Lee Holdings Ltd.  
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“Yau Lee High Rise Concrete MiC System” was successfully applied in a pilot project, design and construction of five quarter blocks with 16 to 17 storey for Fire Services Department.

In Hong Kong there is a pressing need for the supply of affordable housing. Being one of the innovative turn-key contractors in the industry having extensive experience in making prefabricated concrete components, large and small, Yau Lee Construction Co. Ltd. has developed the advanced construction method, i.e. the “Yau Lee High Rise Concrete MiC System” (the “System”). With the full support of ArchSD in agreeing to adopt the System in a pilot project for the design and construction of five blocks, each of 16 to 17 stories, providing for staff quarters of the Fire Services Department, Yau Lee has further improved the precision and productivity of the use of concrete prefabrication in high rise construction of modular flat units.

When comparing the System to the traditional construction method, the following benefits are observed:-

- 30.5 months programme can be shortened by 4-6 months; and
- less labour

One of the strategic roadmaps of the System is to introduce the technology to the private property market. Besides, it can also be applied to other types of buildings such as government offices and schools where a massive modular layout is possible.

This System is a technological breakthrough in response to the Government strategy for helping the construction industry to deliver improved technology and efficiency.

We hope that by demonstration of this pilot project the call for more DfMA in Construction 2.0 can be echoed and the industry drive to develop other innovative systems can be inspired as well.

