



Description of the work :

City Air Terminal – CAT or Makkasan station is in the line of Suvarnabhumi Airport Rail Link. The station is the beginning station of express line direct through Suvarnabhumi Airport with 25.7 km. in less than 15 minute. The passenger can be check in from this station. The structure is concrete building with prestressed concrete floor. The building is 3 level floors with the ground level for parking and 2 floors above for passenger call arrival and concourse level. The arrival floor is posttensioned slab with drop panel system. For concourse level due to heavy load the designer design to used prestressed beam - beam system.

Freyssinet mission :

Freyssinet (Thailand) is involved and award to all posttensioned work. The engineer's worked closely with main contractor and consultant to get the best construction practice. Freyssinet (Thailand) supplied all the prestressing hardware, installing and consult in prestressing. Due to tight construction schedule, the main contractor had to purpose the construction method of roof truss to be installed after complete of flooring. The working process makes conflict with access of crane to serve the heavy roof truss. Therefore, Freyssinet (Thailand) also got the task to introduce the method of construction of heavy roof truss for the main contractor. The construction method had present by fabricate roof truss at the end span that crane can access only and sliding to it place. Freyssinet (Thailand) purpose all the construction method, design of temporary work and check the stabilities of roof truss while sliding.

Companie(s) :	Sino-Thai Engineering&Construction Public Company Limited
Owner :	State Railway of Thailand Asian Engineering Consultants Corp.,Ltd., Thai Engineering Consultants Co.,Ltd, Design Concept Co.,Ltd.
Engineering consultant :	
Subsidiary(ies) :	Freyssinet Thailand - Menard
Beginning of works :	09/2005
End of works :	09/2006

