

Hanger 5 for Singapore Airlines (SIA) Lifting of Hanger Roof

Client: TTJ Design & Engineering

Main Contractor: Bovis Lend Lease Pte Ltd



www.fagiolipsc.com

CIVIL 45



The Airport Hanger 5 project forms part of Singapore Airline's 6 year expansion plan to accommodate the anticipated increase in maintenance volume of their first class air fleet. This project is also in line with the up and coming new airport terminal 3 building that is due to be completed in 2008, which also employs Fagioli PSC's lifting services.

SIA Hanger 5 with a clear height of 23m, dimensions of 90m x 85m was erected 4 metres above ground. 18 permanent columns were erected, each permanent column mounted with one L100 jack, giving a total lifting capacity of 1890 tonnes.

The lift was carried out in 2 days to allow time for the installation of steel bracing, these were installed every 4m lift. The lifting speed took 8m/hour and was controlled by two L12/8E power packs.

