

Project name, location	St Helens & Knowsley Hospital Trust
Year of completion	2007
Client	St Helens & Knowsley Hospital Trust
Contractor	Taylor Woodrow Construction Ltd
Consultant	Arup
Architect	Capita Percy Thomas Ltd



Project description

The 12700 sq m footprint of the hospital is a complicated shape. The breakdown into the working zone allowed construction to take place in several zones at the same time, thus allowing a reduction in the programme, therefore together with the PT design allowed for the climb up the build to be shorter.

In addition there were design rules set down at the development stage fixing the positioning of tendon to a set grid which allowed follow on trades (i.e. M & E designer) to design their works earlier and follow on construction earlier.

PT tonnage 350T

PT system(s) and size(s) 12.9 Bonded System

Principal benefits of using PT on this project To provide and install a satisfactory post tensioned flat slab solution to be installed within programme time and providing an economical solution both in time and material cost in comparison to a traditional RC solution.