

Channel Tunnel



Project:	Channel Tunnel
Sector	Commercial
Client:	Emcor Ltd
Contractor:	Cober
Value (approx.):	£6 Million
Completion Date:	2006
Description of Works:	<p>Hargreaves completed £6 million on the final phase of the Channel Tunnel Rail Link (CTRL).</p> <p>Hargreaves won a supply and installation contract with CORBER (Costain, O'Rourke, Bachy Soletenache and Emcor Rail) consortium at the CTRL St Pancras site. The refurbishment and extension of St Pancras is being carried out by CORBER working with Rail Link Engineering (RLE), who is the project manager and designer.</p> <p>Ventilation work by Hargreaves will include environmental comfort control and emergency smoke exhaust. The scope of work covered public areas, administration offices and car parks. Work started on site in November 2004 with contracts completion in 2006.</p> <p>Hargreaves also carried out ventilation work on the London and Thames tunnels in a further contract with Emcor Rail Ltd, the main contractor for CTRL. This contract includes the provision of standard ventilation and emergency ventilation systems. These special systems are housed in five shafts that link the tunnels to the surface for the London tunnels, St Pancras to Stratford and Stratford to Dagenham, and to portal buildings on each side of the Thames.</p> <p>The main function of the ventilation systems was to either supply or extract air from the tunnels in the event of incident conditions. Sophisticated computerised control will enable maximum flexibility of use and be able to provide air for passenger comfort in a stationary train and for maintenance work in the tunnels.</p> <p>At each of the Thames portals, Hargreaves supplied and installed systems that inject large volumes of air through portal ejectors (a Saccardo system.), which induced airflow through the tunnel.</p> <p>All of the ventilation fan areas have integral access platforms gantries and ladders for maintenance. Hargreaves was responsible for providing the ventilation systems in the head house buildings at the top of each shaft which house switch and control rooms.</p>