

Project: HAL Broxbourne

Client: Carillion and News International



Background

The project was a new £348M printing works for News International at Broxbourne Hertfordshire, built on a green field site just off the M25. The project started in December 2006 with completion in August 2008. This is the largest printing works in the world with a site footprint greater than 23 football pitches and the cost of the printing presses alone was £161m.

When all 12 presses are running they will print 2.5 million papers per night. The papers printed are The Sun, News of the World and The Times.

At peak there were 2,500 workers on site and the project was completed on time. The Temporary Electrical package was worth approximately £750k, which included a substantial amount of commissioning supplies.

The challenges

The greatest challenge was the short time scale of the programme, which was approximately 20 months from start to

finish including the fitting out of the project. A very close second was the co-ordination of our installation, along with permanent services. These were constructed off site and installed as modules, which greatly improved on the speed of our installation. Building work finishes were of an extremely high standard, therefore extra care had to be given to maintaining and removing our installation; the majority of which was still being used up until the end of the project.

Specific WyseGroup solutions provided

WysePower provided a full turnkey solution for the site's Temporary Electrics and Plumbing. This included high voltage substations and generator power throughout the site, along with all associated safety lighting and power for the plant and trade contractors' use. Due to the height of the Press Halls the lighting had to be installed at approximately 30 metres above ground therefore special High Bay fittings were installed to meet the lighting requirements at the floor level.

Results / Successes

We used the High Voltage network to reduce the overall cost of mains distribution by at least 50%. The HV installation was designed so it could be fed by 2 separate sources by means of Castell Locking. This reduced the cost of the HV installation even further when the supply was changed from the temporary supply to the permanent supply, at the click of a switch, with no down time to the site.

Lighting throughout the building and site was time switch and photo cell controlled, therefore allowing the non essential lighting to be turned off outside normal site hours. This provided an estimated saving for consumption of £20,000 and an emission saving of approximately 85,000 Kg CO₂.

"I found WysePower to be extremely professional in the delivery of their package along with a proactive approach to both cost savings and planning, which contributed to the project finishing on time. I would have no reservations in using WysePower again."

Carillion

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