


Project Scope Overview	
Customer:	Oasis Stores
Installer:	Electron  ELECTRON .co.uk
Site Location:	Oxford
Requirements:	<ul style="list-style-type: none"> • 600 Unshielded Twisted Pair outlets in total • 4,000 sq m of offices over three floors • OM3 Multi mode fibre throughout the 100,000 sq m warehouse • Power over Ethernet (PoE) switches supporting 27 wireless access points (WAPs)
Equipment:	Category 5E UTP

'The fact that the site went from brown field to completion in just seven months meant that the cabling had to be installed in a compressed timescale. Electron's ability to address issues arising, such as rework caused by other parties, meant fewer problems on our plate. Looking at the completed installation, I cannot fault the quality of the work and would certainly recommend Electron and Connectix to any company undertaking a similar project.'

Nik Chambers, Operations Director at C A Sothers



The new warehouse loading bays

Project Brief

Leading retailer Oasis Stores Ltd, part of the Mosaic Fashion Group, needed to increase its office and warehouse facilities due to an increased number of lines and the recent acquisitions of Coast, Karen Miller and Whistles. A purpose designed facility was constructed close to the existing warehouse. Electron were appointed by the building services contractor C A Sothers to design and install a cabling solution capable of supporting the business's voice and data communications requirements. An important consideration was the fact that the warehouse would contain garment storage and sorting equipment that could be susceptible to electromagnetic interference (EMC). A two part solution was adopted, with a Cat 5e UTP solution for the office areas, cabled from a main Communications Room, and a fibre based solution for the warehouse terminals and equipment, cabled from a separate cabinet situated in the warehouse.

Project Summary

Connectix Net 5e cabling solution was installed as this offered the best balance between performance and price, as well as a Lifetime Performance Warranty against the finished installation. High density patch panels were mounted in two open racks linked by Low Smoke, Zero Halogen cable to outlets in the office areas. The offices on the first and second floors had been fitted with raised floors, making a floor box distribution system the obvious choice. Each floor box was fitted with LJ6C outlets, with spare cable designed to allow them to be Floor box with LJ6C modules moved up to two metres in any direction. In the ground floor offices standard faceplates were mounted in dado trunking. In the warehouse fibre optic cables were fixed at high level before dropping down to outlets providing connections for PCs controlling the picking, sorting and packing machinery.



Floor box with LJ6C modules