



*The James Cook University Hospital in Middlesbrough, run by the South Tees Hospitals NHS Foundation, is a designated major trauma centre and provides all its specialties from one site which is unique for a hospital of its size.*

*It provides a wide range of district general hospital services and specialist services such as neurosciences, renal medicine, spinal injuries, major trauma, cardiothoracic, vascular surgery and cancer services.*

*Connectix have a relationship with the Hospital spanning 15 years. They were initially selected as a supplier after the hospital felt Connectix could provide them with high quality products which also represented the best value for money solution to their network requirements.*

## The Requirement

In 2017, the hospital required an infrastructure upgrade to Cat 6 Copper for Wireless Access Points, plus a brand new Optical Fibre Backbone.

This involved installing approximately 20km of new single mode fibre optic cable, installed between the existing 100 Connectix communications cabinets on site, terminated and presented in new LC fibre trays.

The new single mode fibre optic solution was installed to provide links to new network switches which will be utilised to service a new wireless solution and to enable the provision of IP telephony which is to be installed throughout the hospital in the very near future.

The new Connectix system has given the hospital higher performance levels across the network, with additional bandwidth and a greater Power over Ethernet application.

## The Installer

Playfords were chosen as the installer to undertake the work required due to their proven track record of prioritising quality of service to their customers and their ability to deliver the best in class services and solutions.

## Challenges


The James Cook Hospital is extremely busy with over 1000 beds and a 24 hour acute admissions unit which meant that installations were done on live wards, providing many difficult challenges.

The Playfords team worked closely with the Trusts onsite IT department and Connectix account managers to ensure that excellent service levels were upheld to cause minimal disruption and very little downtime.

*“The project went to plan even with the challenges of working in a Live Hospital, helped greatly by the delivered service levels by Connectix”*

David Miller, Playfords



Project Scope Overview	
Customer:	South Tees Hospitals NHS Foundation.
Installer:	Playfords 
Site Location:	James Cook University Hospital
Requirements:	Infrastructure Upgrade and New Optical Fibre Backbone
Equipment:	500 Connectix Dual Cat 6 Point 20km of Connectix 24 core OS2 Loose Tube Fibre Cable
No of Outlets:	1000 Cat 6 points

*“We have been installing Connectix data cable on site at the James Cook Hospital, Middlesbrough now for nearly 15 years. We have approx. 30000 outlets and a fibre backbone all over the site connecting nearly 100 IT cabinets. We have found the Connectix cable to be very reliable and the company have always been in touch with ourselves on site with all the up to date changes in the cable and specifications with onsite visits and regular phone calls. I would definitely recommend Connectix as a reliable and efficient company. Connectix have also helped us out with our maintenance and faults department if and when required and always found them to be only a phone call away”.*

Maurice Foster, Contractor Liaison Supervisor,  
James Cook Hospital



