



Worcester Warriors recently completed the Slick Systems Stand with a capacity of 6000 people.

Project Scope Overview

Customer:	Worcester Warriors
Installer:	Converge Networks Ltd
Site Location:	Worcester
Equipment:	Category 5E UTP

During the second half of 2008 Worcester Warriors had a new three storey cantilever stand built with an office block at one end. Converge Networks were awarded contracts to install the technical infrastructure for the whole stand and office block. The outside seating terraces were completed and opened first, with the three storey stand opening shortly afterwards. The office block was completed just before Christmas 2008. From the installation of the first piece of containment to the last television being tuned, Converge Networks successfully designed, installed and commissioned the whole technical infrastructure in less than 16 weeks.

In that short time frame, working around other contractors Converge Networks provided 320 CAT5e data points; two Communications rooms with interlinked voice, fibre and television distribution cables; and voice and data links from the new stand which connect back into the existing services. The links to the old stand opposite had to be carefully planned as Converge were using the ducts around the edge of the playing pitch. The installation comprised of two 100 pair voice links, a 24 core fibre optic cable and two new main line television cables.

Great care had to be taken not to upset any of the pitches irrigation or drainage systems.

Another part of the installation was a new channelised TV distribution system to cater for the whole site (4 stands).

All the sites televisions had to connect to a discreet flat roof-mounted dish and aerial array. The client did not want the dish or aerials to be visible from any part of the site spoiling the clean lines of the new stand. The system delivers Sky, Free view and terrestrial TV to the communications room for distribution around the site. Forty new flat screen TVs were installed on either wall or ceiling mounted poles in the new Slick Systems Stand and via the ducting around the pitch to the other three stands. Over 100 televisions in total.



There are 100 public address loudspeakers throughout the hospitality and public areas for connection to the main Public Address (PA) system and five local public address systems for use in Hospitality suites in the Slick Systems Stand individual rooms;

four of the rooms required that the public address systems could be used independently of each other but also in any combination of rooms.

This gave the flexibility that one source (microphone or music) could be relayed to any combination of rooms. This was achieved via a simple matrix switch, which allowed speakers and amplifiers to be matched for any occasion; this is a unique feature designed by Converge Networks. Various wireless and wired microphones, together with a mixing desk for optimum performance were also installed. Six projectors were installed on ceiling poles each with audio visual connections to either a wall plate or floor box, allowing presentations or TV programmes to be viewed on display screens. The last part of the installation was digital signage system which allows the client to produce their own content for display on any or all televisions on the site.

“Converged Networks were particularly good at working around and with other contractors. The service they provided was excellent. The data, telecoms and public address system in the stand all work effectively for the staff and visitors. We are looking forward to working with Converge as part of the next phase.”

Helen Grayer, Facilities Administrator

“Following Converge’s experience and success at Gloucester RFC, we won an exciting project with Worcester Warriors. It’s always exciting and satisfying to work on quality projects such as Worcester Warriors – especially being so passionate personally about local and national rugby. We are very proud of our involvement with Worcester Warriors and the quality of the installation.”

Martyn Smith, Converge MD



Rear of high density patching facility



Thirty separate audio visual face plates for local connection to televisions in the hospitality boxes and other public areas.