



*A Fresh Approach to IT*

## Local Area Network Integration Case Study

### Business requirement

Our client is a group of businesses incorporating 2 hotels, conference facilities, a spa, a pub and a Garden Centre based in Wales. Accommodation, offices and facilities are arranged between 5 different buildings located on 2 different sites approximately one mile away from one another. Network services were extended to the various parts of the organisation using 3 separate Local Area Networks. The group required a single network with a central server room to provide network services throughout their organisation. The single Local Area Network would enable them to consolidate their IT systems, provide better access to network services and to improve communications across their various departments.

### Why Entegraty

Entegraty had already been providing one of the hotels with managed services on their network applications such as Corporate Email, the Property Management System, and a POS.

### Scoping the Project

Entegraty carried out a detailed assessment of the requirement in conjunction with key personnel at the organisation. The final requirement was then analysed against available technology solutions, such as Radio and Fibre as well other 3rd party solutions. Entegraty attended site on a number of occasions to meet with vendors and suppliers in order to assess the available options. The final solution was decided based on speed of deployment and costs.

### The Solution

The final solution was to utilise BT's infrastructure to provide a dedicated 100MB fibre link between the two main sites. Fibre links would then be installed between buildings on each site and CAT5e copper would be used to provide point to point connections inside each building. Hewlett Packard managed Network Switches were used to create and manage the LAN traffic across both fibre and copper infrastructure.

The proposed solution would result in a fast and reliable infrastructure backed up by a BT Service Level Agreement. The flat design of the structure would also offer simplicity across the network.

## Implementation

Entegraty engaged BT and a third party infrastructure specialist to install the infrastructure. Once the infrastructure was fully installed and tested it was released to Entegraty for configuring the network devices. Once all the LAN devices were configured and tested, network services were migrated to the new LAN in a phased approach. Entegraty used industry standard project management tools to deliver the project on time and within agreed budgets.