



# Wireless Network

## Client Profile

The Lensbury at Teddington lock is a hotel, conference and leisure centre facility based in Teddington, Middlesex. The extensive facilities include 40 separate function and meeting spaces for events, weddings and conferences from 2 to 225 guests. With ample parking, leisure and sport facilities, restaurants, 4\* hotel facilities and manicured lawns leading to the river coupled with impeccable service, it is a hidden gem waiting to be discovered.

## Business Requirement

As part of their ongoing business development plans, Lensbury required provisioning of free wireless LAN to their customers at various locations within their premises.

## Why Entegraty

Entegraty has been providing Lensbury with 2<sup>nd</sup> line IT support for a number of years, including live monitoring of their application servers.

## Project Scoping

Once the business requirements were passed onto Entegraty, the Entegraty team carried out a detailed survey and mapped out their requirements against the existing systems. In view of the fact that Lensbury is a family oriented club, with many family members, security and content filtering of the proposed solution was of utmost importance. Furthermore, the existing 4 ADSL lines which were aggregated using a FAT Pipe bandwidth aggregator did not provide the scalability required for this project and needed to be upgraded. On completion of the review a detailed proposal was submitted to Lensbury for their approval.

## The Solution

Entegraty engaged a third party specialist company to install the 20 wireless access points required for this project. The 20 access points used Power Over Ethernet(POE) technology in order to provide flexibility of location. Once the access points were installed, Entegraty technicians joined these access points onto the VLANs which were configured using Cisco Catalyst 3550 switches. Network services were extended to the different locations using Fibre technology. The VLANs were also used to provide Lensbury staff secure access to the back office network via wireless technology on their handheld devices. The existing 4 ADSL lines which were aggregated using a FAT Pipe bandwidth aggregator did not provide the level of scalability required for



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this project. As such they were removed and replaced with a 30 MB Ethernet line on a 100MB bearer which allows for future bandwidth growth.

For security and content filtering Entegraty installed and configured Aladdin esafe web filtering solution in conjunction with a Cisco Pix 515e firewall. Both systems are scalable for any future expansion of system usage.