



Security and Communication

Case Study Commend UK



Brunel University

Brunel University London, UK



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Photos: Commend UK / Brunel University



Project Details

Customer

Brunel University London, UK

Project Type

Implementation of a Disabled Evacuation & Refuge Intercom system

Basic Data

15,000 students from 100 countries worldwide

1,616 staff

34 halls of residence including 4,549 rooms

Technical Data

1x Virtuosis Server

Multiple Intercom Servers GE 200 / 700

Disabled refuge SS101DR

Induction loop amplifier

Lift Intercom ET 562

Evacuation panel MS 199D

Desktop station EE 811

ComWIN software

The Benefit

Enables mentally and physically impaired people to seek direct aid during incidents such as fire or building evacuation

Help Points can be activated to serve a dual purpose: as an emergency call station and as information points

Major cost savings

The Challenge

Commend UK supplied a disabled Evacuation and Refuge Intercom System to Brunel University. One of the main challenges was that most government buildings, including colleges and universities, are more than two storeys high, making it difficult for people with disabilities to evacuate quickly. British Standard 5588-8 states that "a basic tenet of building law is that access provision has to be complemented by egress provision..." i.e. if people with disabilities are able to get into a building, then a route for escape must be provided, and that includes the communications necessary to use them. This standard applies also to educational facilities. Brunel University opted for a Commend UK solution to meet the stringent, extensive requirements for their evacuation solution.

The Outcome

Commend UK met the challenge by providing a **comprehensive Disabled Evacuation & Refuge Intercom** system to Brunel University. The solution was programmed to allow the many types of buildings spread over many acres to be evacuated quickly and efficiently in accordance with the university's procedures.

The Solution

Within Brunel University's buildings and car parks, a number of Intercom stations have been installed. These call to various local master stations located within receptions and main entrances throughout the campus. If the master stations are not answered within a specified time, the call is automatically transferred to the main control room. Forming part of a larger integrated communication solution, each location has



Short Profile of Brunel University

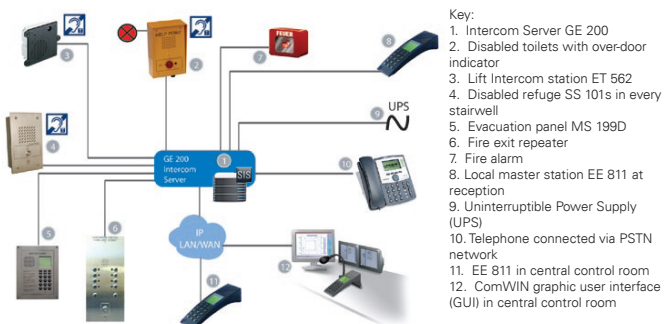
Brunel University was founded in 1966 and was originally named after the Victorian engineer Isambard Kingdom Brunel. It is a **world-class public research university** located in Uxbridge, West London.

The university campus consists of three colleges and three major research institutes and **supports a network of around 15,200 full-time students and 2,500 staff**. In 2010/11 the university had a total income of £178.5 million, of which £14.8 million came from research grants and contracts.

a Commend Intercom **Server GE 200** supporting the local Intercom units. Applications supported by the Intercom Server include **Disabled Toilet Intercom, Barrier Intercom, Disabled Evacuation & Refuge Intercom, Help Points, Lift Alarms, etc.** Also, Disabled Refuge stations, often installed on landings, may be equipped with interfaces to Induction Loop equipment. Provision has also been made for future integration with a CCTV system, so that cameras associated with each call point will automatically provide a live image. The main college building, faculty buildings, halls of residence, sports facilities, library and car parks are all linked over the IP network. Car park barriers are raised or lowered remotely with a single keystroke at the answering master station. Disabled toilets – each equipped with an alarm pull cord, indicator and reset button – are linked to the Intercom system. Possible future extensions to the system include more Help Points and lone worker monitoring.

A single Commend VirtuSIS software Server platform has been added to the system at Brunel as the central hub of the entire estate.

The solution of Brunel University at a glance:





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Thomas Miller, UK

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