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To Mr. Sudhir Gupta
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Place, Date Gothenburg, April 21, 2010

Allocations of Spectrum for Technologies such as DECT, to meet the Residential and Enterprise Intra-Telecommunication Requirements

Dear Sir,

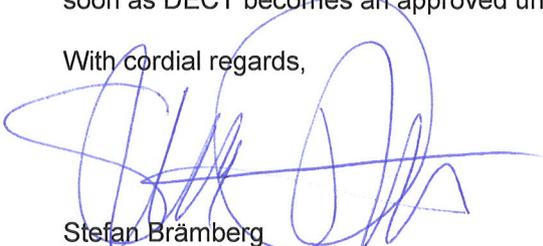
Ascom Wireless Solutions, the global leader in the market for wireless enterprise solutions, is utilizing DECT as its core technology. Ascom is active in most markets where DECT is available today and aims to expand into new geographic areas. Ascom considers that DECT wireless systems are a major enabler for companies to increase their efficiency and for healthcare institutions to improve safety and patient care.

The global market for DECT has been increasing continuously since its introduction in the middle of the 1990s and the opening up of the USA market in 2006 has further boosted the global footprint of this technology.

In the light of these developments Ascom believes that both industrial and government institutions in India, in particular the healthcare segment, will have much to gain for their development by getting access to the DECT technology and all the benefits it brings.

Ascom has for years wanted to expand its activities into India and will become active there as soon as DECT becomes an approved unlicensed technology.

With cordial regards,



Stefan Brämberg
CTO Ascom Wireless Solutions

REFERENCE CASE: BETHLEM ROYAL HOSPITAL

Product: Ascom IP DECT

Customer: Bethlem Royal Hospital



ASCOM IP DECT AT THE CENTRE OF MENTAL HEALTH HOSPITAL COMMUNICATIONS

The Bethlem Royal Hospital is one of the largest mental health care, Medium Secure Units, in the UK. Ascom Wireless Solutions has been providing communication solutions to them for over fifteen years. Following a wide ranging review and the forthcoming development of a new multimillion-pound wing, Bethlem decided to embark on a complete revamp of their systems. Along with other providers Ascom was asked to put forward a package that would be the 'hub' for a completely integrated on site network, linking all the various existing systems and being the catalyst for voice, data and loneworker communications. The Hospital hosts some 450 patients and 2000 staff.

Wide Brief

The proposal had to take into account many specific yet diverse operational requirements. In the first instance the site covers a geographically large area, some 350 acres (145 hectares), which contain many remote general purpose and high security buildings. Various functions were mission critical: Lone Worker Protection for staff, both at ward level and non-clinical personnel lone working outside in the grounds: Interfacing with existing hard wired alarms both in clinical environments and areas with a particular safety aspect, such as the swimming pool or secure garden: Instantaneous cardiac and violence alarm messaging direct to emergency response teams: All alarms to include accurate incident location information to ensure a focussed and rapid response. (The whole site including individual staff rooms, wards, corridors and buildings has been mapped with numeric identifiers).

The original Bethlem Royal was founded in 1247 and is probably the oldest mental health hospital in the world.

- It was located in Bishopsgate London and known as the Bedlam Hospital, from which the adjective 'Bedlam' derived.
- In 1683 it moved into new premises in Moorfields – the first custom built hospital for the insane.
- The Bethlem came to its current site in 1928 and since then has been continually updated and expanded. Currently a new six ward Medium Secure Unit is under construction.

[REFERENCE CASE: BETHLEM ROYAL HOSPITAL]



High Specification

The Bethlem had drawn up a detailed list of functionalities required from the new system:

- Compatibility with existing hard wired alarm systems
- Full alarm location information
- Independent system controller and event log
- Interface with Building Management Systems
- Link to fire alarm including location data
- Compatible with directional lights and sounders system
- Cross system integration with site LAN
- Windows based networkable PC monitoring
- Voice and Data on one system
- Interactive messaging
- Cross system broadcast and nominated group messaging
- DECT option for full lone working solution including man down and pull cord alarms
- 100% site coverage
- Expandable site-wide infrastructure

The Ascom Solution

Given the wide ranging functionality, and the number of third party interfaces required across a complex site, Ascom put forward an IP DECT proposal using the latest Ascom DECT handsets with an IMS PC based touch screen messaging platform and Elise Pro lone worker monitoring system. Other functionality included; Handsets with swappable SIM cards; integration with the existing PBX so that handset carriers can receive or make calls to the PSTN; hands free speech; alphanumeric text. Overall the proposal guaranteed a secure yet flexible platform that is future proof and economic.

After comparison with alternatives the Ascom solution was accepted and the new system, including some 1500 Ascom IP DECT handsets, will be rolled out across the site over eighteen months.

