

# ascom

**Workplace mobility  
Technology and trends**

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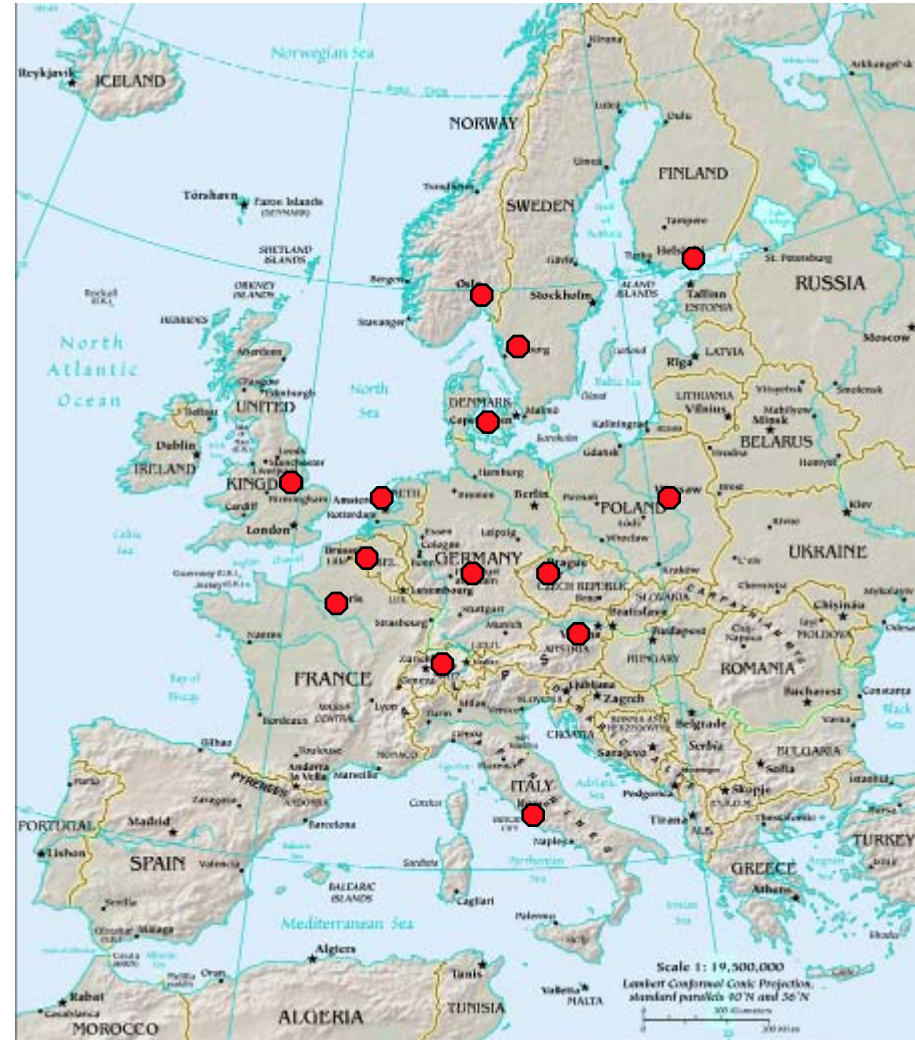
## The Ascom Group

- **Mission critical communication strategy**
- **Two divisions – Security Solutions and Wireless Solutions**
- **Swiss-based with headquarters in Bern**
- **2 100 employees worldwide**
- **Quoted on the Swiss stock exchange**
- **Revenue 2006, MCHF 565 (M€351,6)**



## Sales Companies

- Sweden
- Norway
- Denmark
- France
- Netherlands
- Belgium
- United Kingdom
- Germany
- Switzerland
- USA



## Sales partners – international

- Australia
- Austria
- Brazil
- Egypt
- Greece
- Finland
- Hong Kong
- Hungary
- Iceland
- Indonesia
- Ireland
- Israel
- Lebanon & Middle East
- Malaysia
- Portugal
- Singapore
- Spain
- Taiwan
- Thailand
- United Arab Emirates



## **Our Mission is**

**To provide tailor-made on-site wireless communication solutions that enables quicker response, to companies where “mission-critical” communication is of utmost importance.**

## Our business areas

- **Industry**

- Food industry
- Chemical industry
- Process industry
- Automotive industry
- Utility industry

- **Hospital**

- Laboratory departments
- Radiology departments

- **Elderly care**

- Intramural care
- Extramural care

- **Secure establishments**

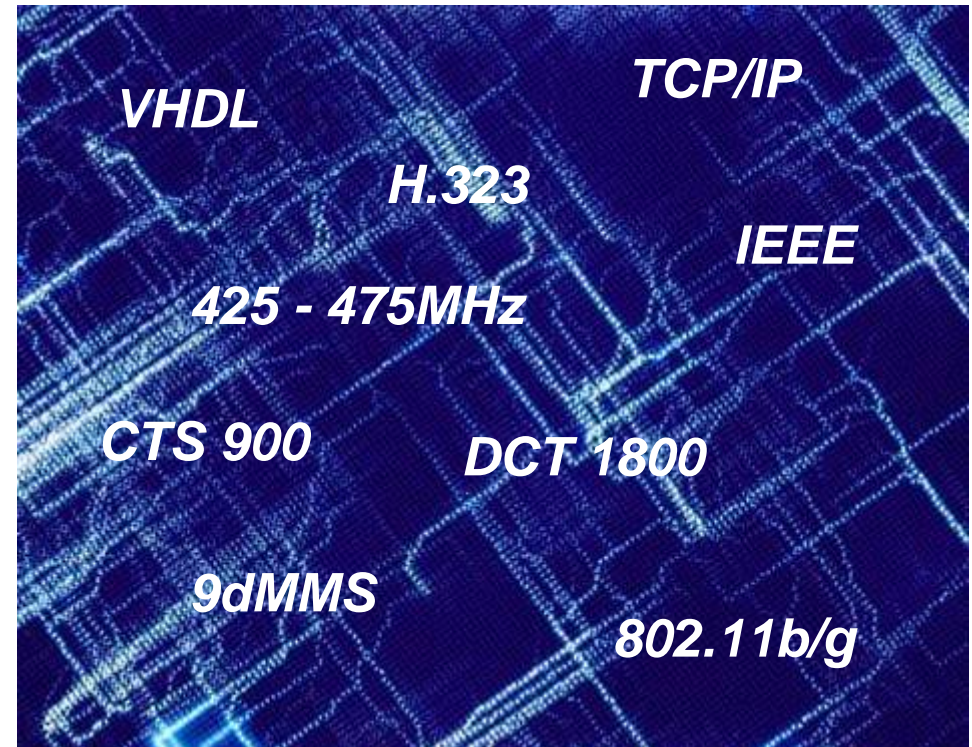
- **Retail**

- **Hotel**



## Communication solutions – regardless of technology

- Nurse call
- Paging/Alarm
- Dect
- IP-DECT
- WiFi



# Technology and trends



## Internet and IP communication is here!



- **IP communication has become everyone's tool**
- **Intranet and internet access is very common in most organisations**
- **Bandwidth and quality of networks are constantly improving**
- **More and more business critical applications are depending on IP networks**

## How about mobility with VoIP ?

- There are today in reality two wireless VoIP technologies
  - WLAN (VoWiFi)
  - IP DECT
- GSM/3G are still mostly TDMA speech centric but data profiles can carry VoIP(eg GPRS), over time 4G will be fully packet based
- WiMax(IEEE802.16) is specified to be a standard for long range high data speed, but is not primarily intended for handheld devices, more for backhaul of data to internet core switches



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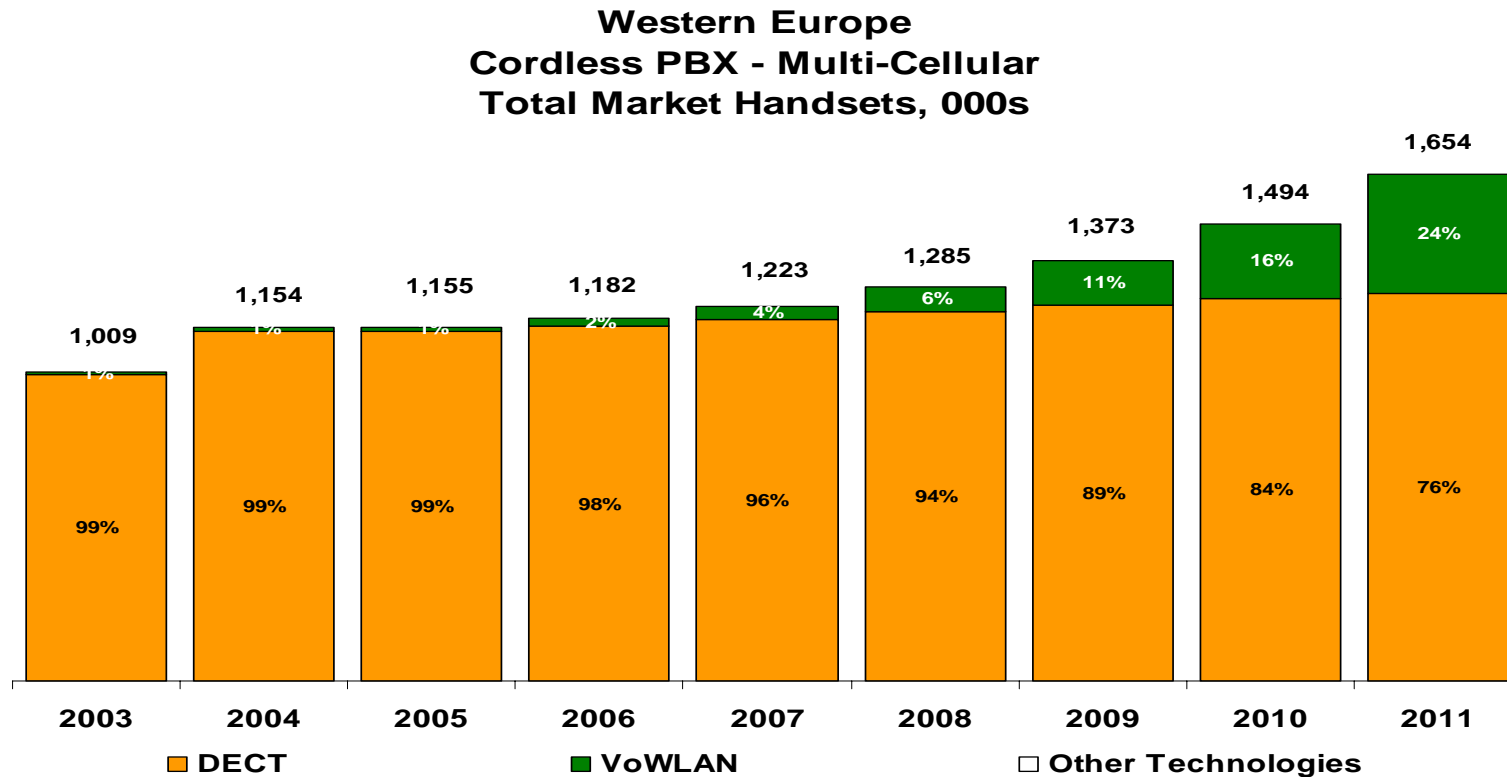
## VoWiFi or IP DECT ?

- From the IP PBX point of view the solutions are equal, with SIP enabled systems, both can be “wireless SIP extensions”
- If there is an installed DECT system in use, upgrading to IP DECT is normally the best solution
- For sites with a well designed and fully covering WLAN network, VoWiFi could be the right choice
- Don't forget the gradual migration possibility! An IP enabled DECT system can co-exist with a VoWiFi network and users can be moved as the WLAN is extended and upgraded

# Total Market - Multi-Cellular

Western Europe - Total Handsets, by Technology

Source MZA



# Workplace mobility

## Different user profiles

Operative users



Office workers



Road Warriors



## Office workers

- **Normally stays inside the building or campus**
- **Speech quality and ease of use its important**
- **Moves between wireless handset and fixed/soft phones**
- **The demand for large displays and sophisticated terminals are limited**



## Operative users



- **Normally stays inside the building or campus**
- **Demand purpose build terminals**
- **Information is time critical**
- **Connectivity to process data is very important**
- **Moves between different devices but requires a unified interface**
- **The demand for large displays and multipurpose terminals are limited**
- **Complicated data (X-ray images, drawings, etc) can be accessed via computer terminals**

## Road warriors

- Typically works mostly outside the company premises
- Demand multi mode /purpose terminals
- Information prioritisation is more important then time
- Connectivity to corporate information systems is very important
- Needs to be part of the company number plan also while travelling
- Need several connectivity options WiFi,GSM,3G





## Next generation onsite mobility



- Remote management, SW download OTA
- Integration with office application, mail, calendar, tasks..
- Advanced integration with business critical equipment
- Advanced integration with workflow systems "collaboration"
- Positioning
- High resolution Colour screens
- .....

**Already today the Ascom UNITE Suite can interface with most critical process systems**



