

# FCS Business Radio 11

Digital Radio and its Application

**KENWOOD**

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# Agenda

- Corporation Name Change
- Digital Trunked Radio
- Case Studies

## Corporation Name Change

Corporation Name

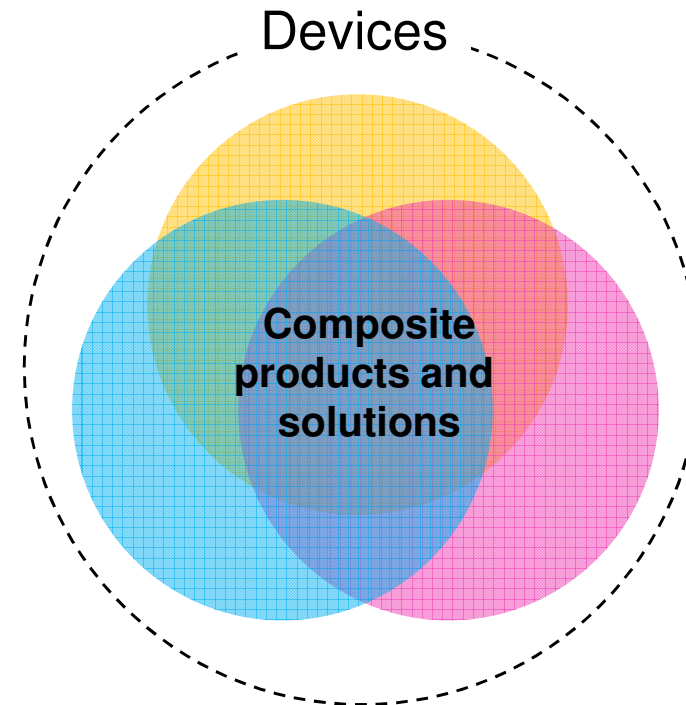
**JVCKENWOOD**

Brand names will continue

**JVC****KENWOOD*****ZETRON***<sup>®</sup>

# Change of Organisation

- JVCKENWOOD
  - Combined Professional Expertise – Comms and CCTV
- New Corporate Vision
- Reform



# Digital Radio Type III Trunking - Control Channel

## Advantages of Control Channel Trunking

- Radio access control
  - Intelligent radio infrastructure
- Pre-emptive Emergency Calls
- Queuing
- Advanced features such as OTAP
  - Over-the-air-programming as standard
  - No need to recall radios from the field any more
  - enables efficient operation



# Digital Trunking 6.25kHz in Adjacent Channels

## Example - Guinness Brewery in Dublin

Does it work?

Yes, it does!

Kenwood NEXEDGE:

- Provides excellent coverage
- Resilient and robust



Images courtesy of LandMobile.co.uk!

Case Study

Airports

# Case Study – Istanbul, Turkey

## Turkey



## 6 Airports use Control Channel Trunking:

- Istanbul Ataturk
- Istanbul Sabiha
- Ankara
- Izmir
- Antalya
- Adana

## Some Reasons:

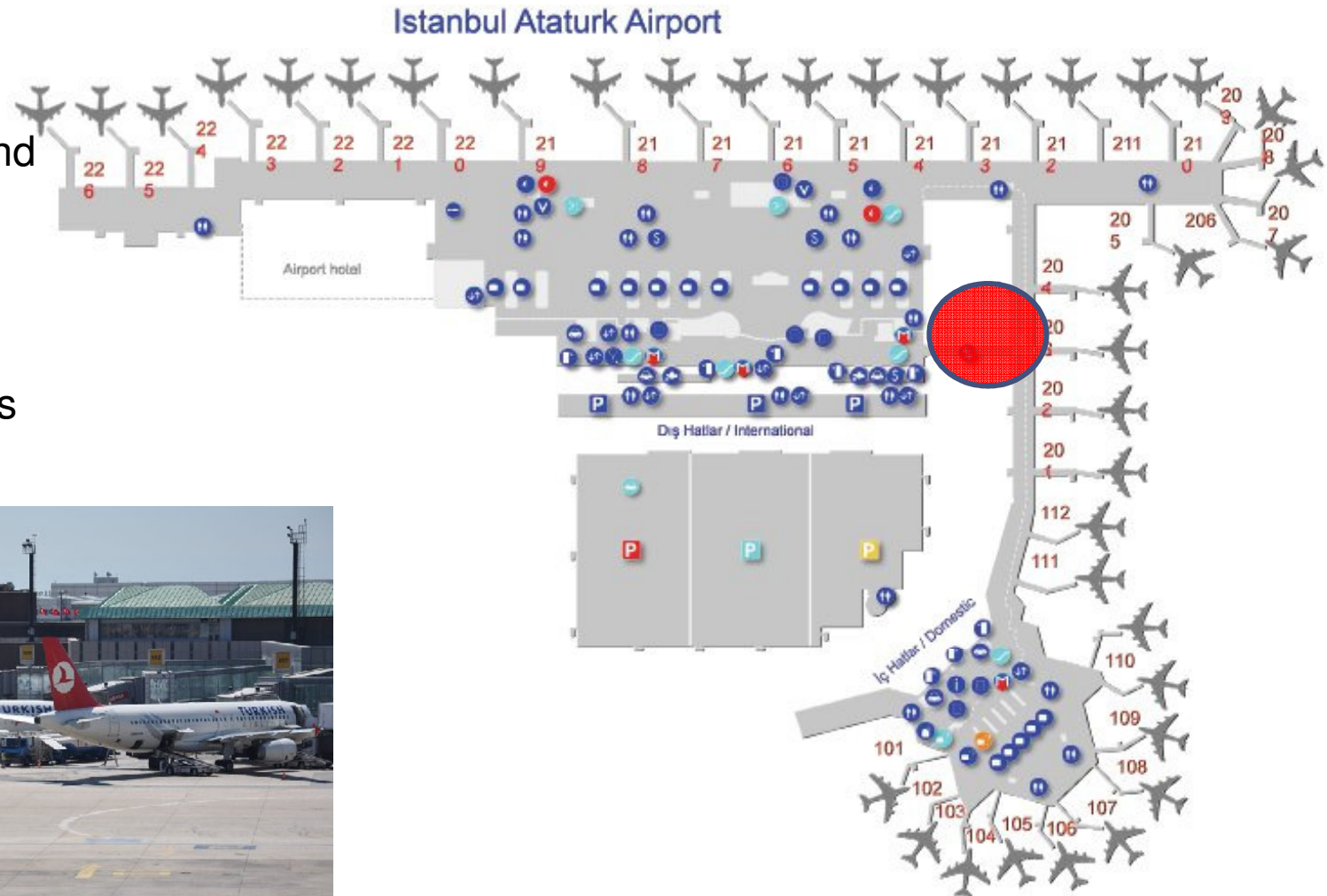
- Emergency Call Handling
- Queuing
- Status Messages even when all channels busy
- Cost effective
- Infrastructure Resillience



# Case Study – Istanbul, Turkey

## Technical details

- Single Site location - between International and Domestic terminal
- Coverage 100 %
- Single Site – ca. 1500 subscribers, 12 channels

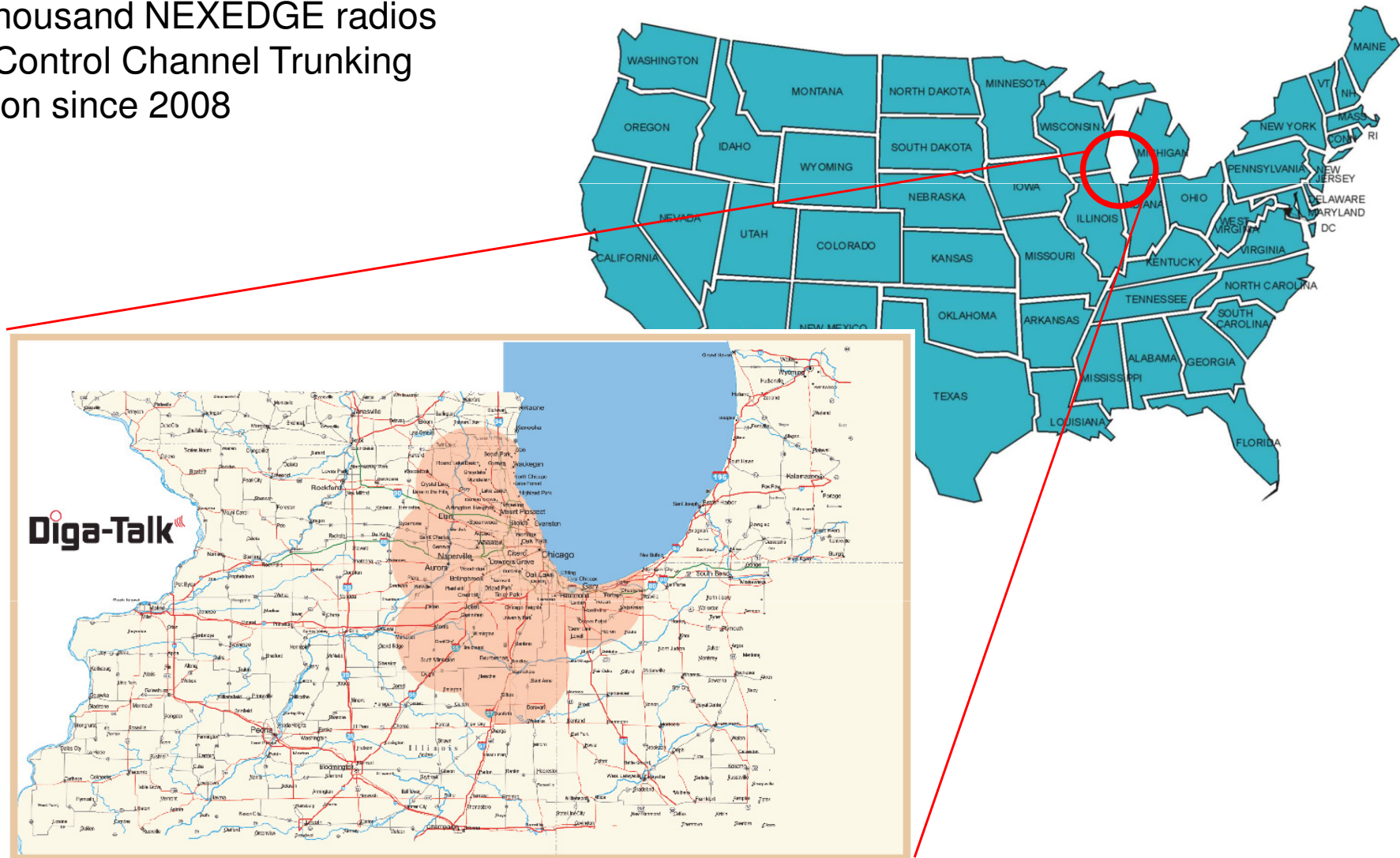


Case Study

Large Public Network Operator

# Case Study – Public Network Operator USA

- About 10 sites
- Several thousand NEXEDGE radios
- 6.25kHz Control Channel Trunking
- In operation since 2008



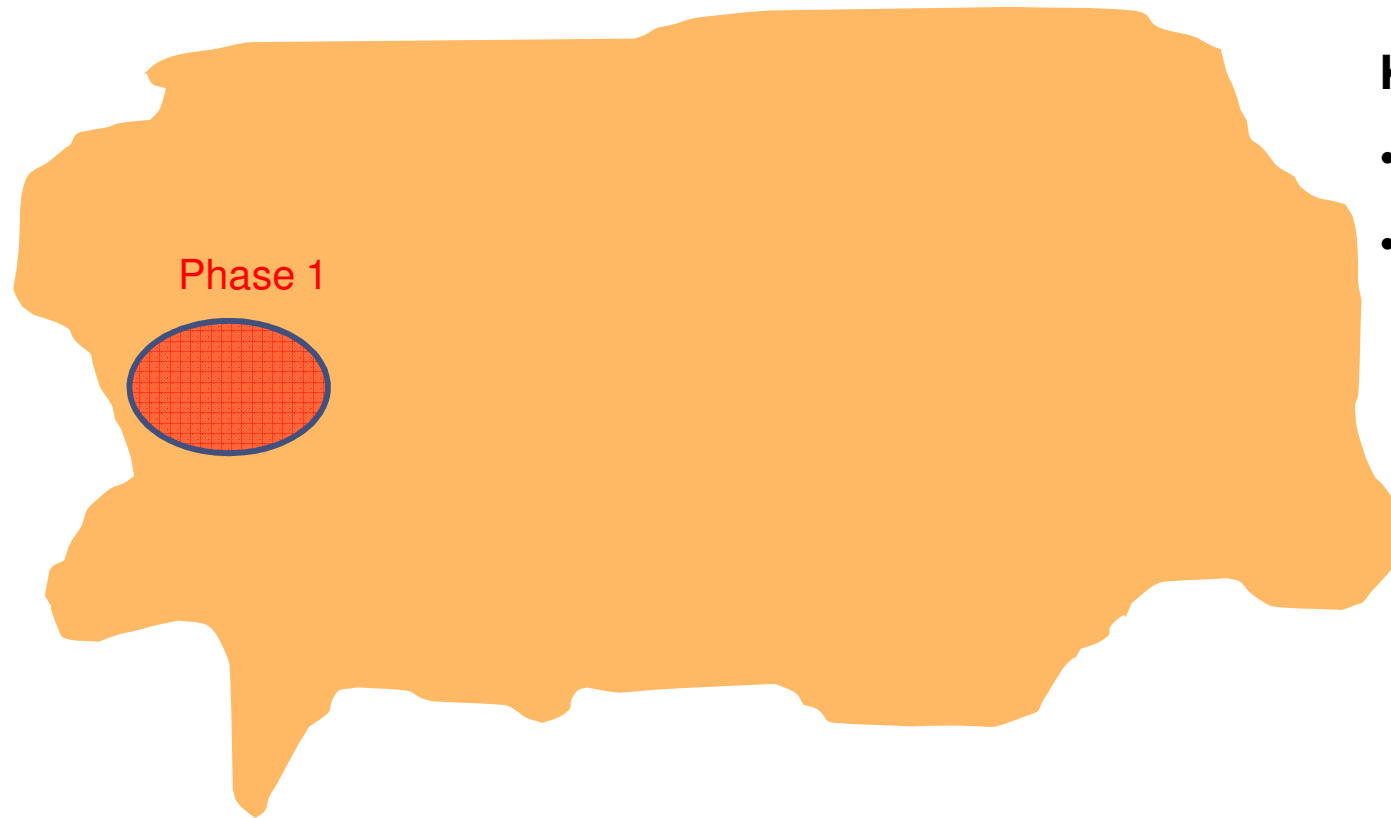
*A-Beep's Digi-Talk digital wide-area coverage network currently covers a population of 9 million.*

Image courtesy of Enterprise Wireless

## Case Study

# Country Wide Police Public Safety System

# Case Study – Country Wide Public Safety System

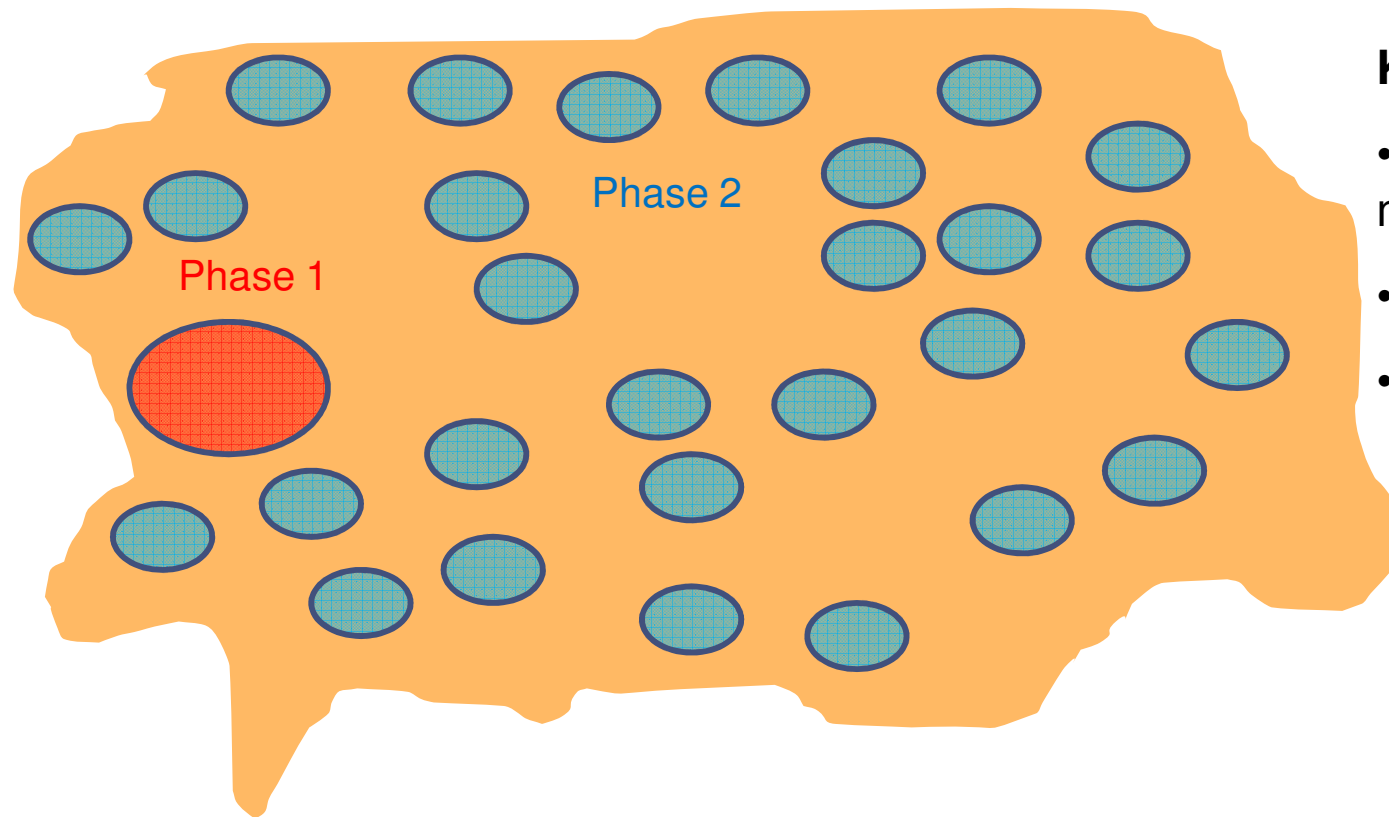


## Police – Phase 1

### Kenwood NEXEDGE

- 4 sites
- 1800 Radios

# Case Study – Country Wide Public Safety System



## Police – Phase 2

### Kenwood NEXEDGE

- Main urban areas – multisite Trunking
- Minimum 30 trunking sites
- 2-5 channels per site

# Summary

Kenwood NEXEDGE is established, working and accepted!

Type III Trunking in operation around the world since 2008!

Digital Radio – Here to Stay!

**Kenwood** is going to be part of it!

**Thank You!**