Audio Interest Group (AIG)

One Non-Cellular Standard for Audio

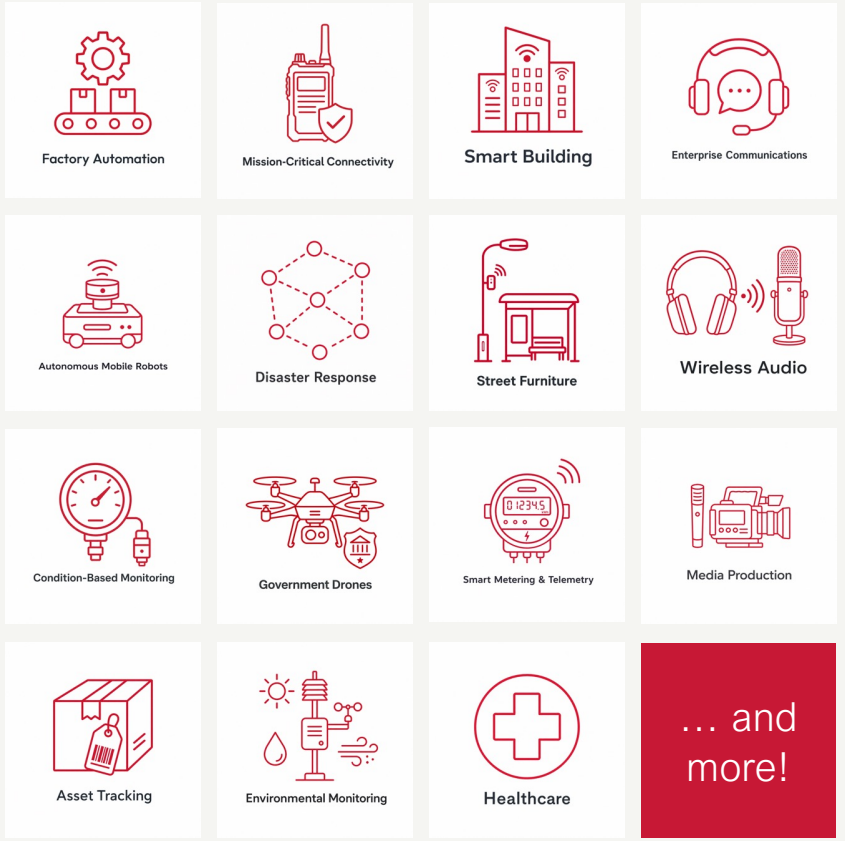
DECT World 2026 – Audio Session

Dr. Andreas Wilzeck, Member of DECT Forum Board

One Technology, Many Local Applications

DECT NR+ enables
resilient connectivity where it is needed.

- **Professional Communications**
  - Enterprise communications
  - Wireless audio
  - Media production
- **Industry & Operations**
  - Factory automation
  - Autonomous mobile robots
  - Condition-based monitoring
  - Asset tracking
- **Public Infrastructure & Resilience**
  - Disaster-response ad-hoc networks
  - Mission-critical communications
  - Public-safety and government drones
  - Environmental and maritime monitoring
- **Connected Places**
  - Smart buildings
  - Smart street furniture
  - Smart metering and telemetry
  - Healthcare



Core application areas include applications of the System Reference Document on DECT-2020 NR, ETSI TR 103 943

The World of Audio in DECT – Present & Future

Domain	Classic DECT Baseline	Evolution to DECT NR+	Evolutionary Leap
Enterprise & Office	Telephony, UC, and call center headsets	**Expands** voice fleets with massive device density and remote telemetry	Scalable enterprise communication
Meetings & Conferencing	Tabletop conference phones and classroom speech mics	**Upgrades** all rooms to high-quality audio and dense delegate mic arrays	Speech clarity to natural acoustics
Broadcast, Video & Intercom	Crew intercom beltpacks and camera-top interview links	**Elevates** production comms and video audio, timecode sync, and dense arena coverage	Voice intercoms to full-scale broadcast production
Live Stage & Pro AV Infrastructure (New Frontier)	Legacy bottleneck: Latency and bandwidth prevent live stage use	**Unlocks** sub-4 ms in-ear monitoring, stage music mics, wireless Dante/AES67, and audio mesh	Enters mission-critical live sound and PMSE

Beyond Audio

Flexible spectrum below 6 GHz

Operator-free private 5G

Massive self-healing mesh

IoT and building convergence

Open multi-vendor ecosystem

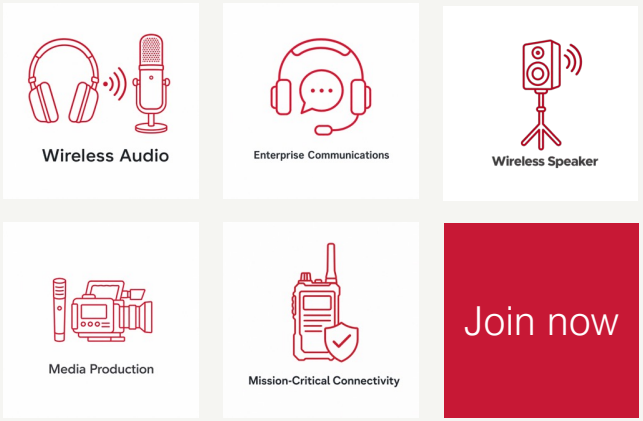
Native IT integration

Audio Interest Group

One standard for wireless audio

NR+ as the global interoperability standard for wireless audio, from consumer to professional use, delivering reliability, low latency and regulatory acceptance in all relevant markets.

- **One profile, many applications:**
  ETSI TS 103 874-5 (in development) will cover applications such as headphones, headsets, loudspeakers, microphones, intercom, conference and tour-guide systems
- **Connect:** liaison with stakeholders, standardization bodies, and associations
- **Certify:** a certification programme for cross-manufacturer interoperability, where needed
- **Grow:** an ecosystem of manufacturers, integrators and event-technology providers
- **Migrate:** a clear path from legacy DECT to NR+



Mission

We drive adoption, certification and ecosystem growth for NR+ in audio.