EUCARAY®
Radiating Cables

- allow the use of radio communication in **confined areas** where other antenna systems get to their limits.

- provide **homogeneous and continuous radio coverage** inside a well-defined area.

- **reduce** number of **handover** between base stations or access points.

- achieve **low TCO** by reducing the number of necessary devices (Amplifiers, Repeaters, Access Points, Antennas).

- allow high quality radio communication inside complex and confined areas because of **excellent system loss**.

- are able to transmit **multiple frequencies** and so reduce the number of components and complexity in a system.

- are **more robust** than antennas especially in critical areas like hazardous (explosive) areas or with high vibration and abrasion or aggressive atmosphere.

- do not amplify the signal and so are allowed to be used in **hazardous areas** like Atex Zone I and II.

Applications and Markets

Confined areas

**Safety applications** in buildings and tunnels or along tracks.

Radio systems for fire and police, interruption of radio for safety messages for public.

(TETRA(POL), PMR, FM, UHF and more)

Telecom

Access to public radio networks inside confined areas, buildings, airports etc. (DECT, WLAN, GSM, UMTS, LTE)

Automation

Extension of Ethernet communication on production lines, automated transport devices, warehouses, mines, refineries and much more.

EUCARAY®

• **Made in Belgium**, nearly 100% of production depth

• >40 years of **experience** guarantee highest quality and best lifetime

• **patented** slot technology, defined resonance frequencies, **realistic** measuring methods lead to best performance

• very broad product range offering **dedicated types** of cables for all frequencies and applications

• standard sizes and mounting tools **reduce cost** for installation

Operation and maintenance

Analogue and digital voice, video and data transmission for operation of trains, in mines, on airports etc. (GSM-R, TDMA, CDMA etc.)

Public networks

Network access to customers

(DECT, WLAN, GSM, UMTS, LTE)

EUCAIAY®

Radiating Cables also support MiMo