

Implementation of the VOK-ENG system Optimization of communication at



Replacement of pipes by bursting.

TRENCHLESS EXCAVATION WORK

► Maintenance of electrical networks or underground pipe systems, replacement or repair of existing underground infrastructures... most construction work in urban environments have **some degree of risk of injury**.

Today, companies such as Colas Switzerland specialize in trenchless excavation which enables work **to be carried out without having to open up the street**. However, some constraints exist which are inherent to the profession that can represent a real risk for people working on site.

► For teams working on drilling or blasting, high noise levels can make communication difficult. The problem becomes greater when visibility is limited. It is essential that the operators be able to coordinate their positions so that complete accuracy is maintained.

The Colas Suisse teams selected the VOK-ENG communication system from VOKKERO™ to overcome all these issues.

ADVANTAGES OF THE VOK-ENG SYSTEM

- A **full-duplex** (audio conference) **communication** solution, set up in a few seconds and requiring no prior installation or base station.
- **Totally hands-free**, which allows equipment to be operated and work to be completed without the distractions typically associated with the other communication systems.
- **Extremely clear communication** thanks to the Vokkero noise filter, ensuring **maximum sound quality**, even in a noisy environment.
- **Reduction of risks, optimization of communication, enhanced efficiency.**



VOKKERO™, a 100% ADEUNIS RF's brand

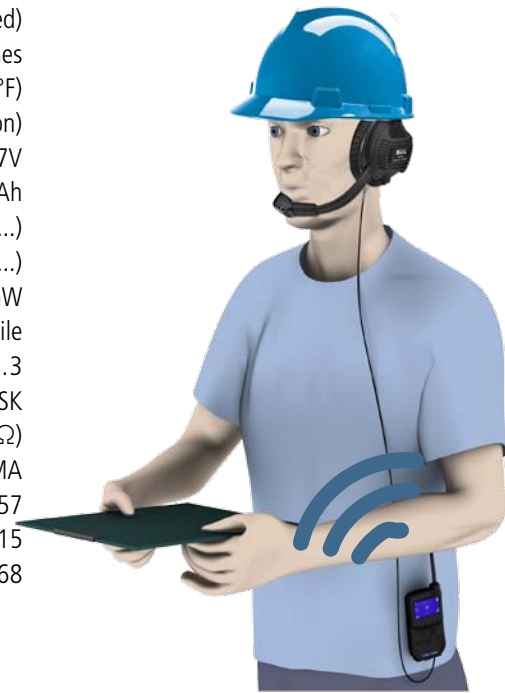
Wireless Communication systems for construction professionals and building sites



TECHNICAL DETAILS

Number of users	2 to 6 + an unlimited number of receivers
Weight and dimensions	5.29 oz (battery included)
.....	4.72 x 2.36 x 0.98 inches
T° range.....	-10/+50°C (14/122°F)
Battery life	Up to 14 hours (2000mAh version)
Battery.....	Rechargeable Li-Polymère 3.7V
.....	1000 or 2000mAh
Frequencies	863-870MHz (Europe, South Africa...)
.....	915-928 MHz (USA, Canada, Australia...)
Output power.....	10/200mW
Range	Up to 1.2 mile
Channels.....	3
Modulation	GFSK
Sensitivity.....	-103dBm (BER 10 ⁻³ under 50Ω)
Technology.....	TDMA
Norms.....	Europe: EN 300-220 / EN 301-357
.....	USA: FCC Part 15
.....	AS/NZS 4268

Optional headset shown



PRODUCTS & ACCESSORIES

Conference system

VOKKER Audio transceiver

Headsets

- PHO 010** Customized headset
- PHO 020** Universal headset
- MAE 010** Professional headset - single muff
- MAE 020** Professional headset - dual muff
- KEN 010** Generic headset
- KEN 020** Generic headset with on/off switch

Chargers, batteries & Push-to-Talk button

- PTT 010** Push to talk button
- BCH 050** 5 slot battery charger
- BCH 030** 3 slot battery charger

Bags & harnesses

- ABD 010** Armband
- BEL 010** Belt
- HAR 010** Harness
- BEC 010** Belt clip

