



Radio communication system for work in ionization zones



Radioactivity measurements.

RADIATION MAPPING

- ▶ Nuclear Safety Authority inspectors have the task of verifying the progress of sites and compliance with radiation protection rules on the ground. Companies like Millennium Nuvia, that specialize in nuclear and industrial risk management, conduct studies on regulatory safety, and in particular **the preparation of risk maps.**
- ▶ In particular Millennium measures **of the levels of radioactivity in the primary circuits of nuclear power stations.** To minimize their workforce's exposure to radiation, the company utilizes a tried and tested method of measurement, with the aid of the Vokkero® radio communication system.
- ▶ A pair of technicians are equipped with the Vokkero® system. One technician goes into the field to take the measurements and relays them to the second technician, who remains at the "ALARA" radiation refuge and records the measurements.

The advantages of using Vokkero®:

- **A reduction in exposure to ionizing radiation:** only one technician is exposed.
 - **Increased efficiency:** no time is lost recording the measurements.
 - **Significant reduction in workforce stress levels.**
- ▶ Billy KERNISANT of the Millennium company comments:
« Specifically, the Vokkero® radio communication system has enabled us to reduce technicians' collective exposure to radiation by 30% to 40% ».

ADVANTAGES OF THE VOK-ENG SYSTEM

- ▶ **Totally hands-free system** allows technicians to remain in continuous communication without interrupting their work.
- ▶ **Extremely clear communication** via the patented noise filter that removes all extraneous sounds, such as fans, blowers, motors, etc.
- ▶ **System adapted** to the simultaneous wearing of filter suits and pressure suits.
- ▶ **Integration possible** with a control room and/or any type of intercom system.
- ▶ **Group function** allows multiple teams to work on the same site without interfering with each other.
- ▶ **Reduction in risk, isolation, and stress.** Better coordination of mobile teams, optimization of intervention time, efficiency and safety.



VOKKERO®, a 100% Adeunis RF brand

V1

NUCLEAR MAINTENANCE

DECONTAMINATION

ASBESTOS REMOVAL

DISMANTLING

WORK IN A CONFINED ENVIRONMENT

WASTE MANAGEMENT

A SOLUTION FOR EVERY TRADE

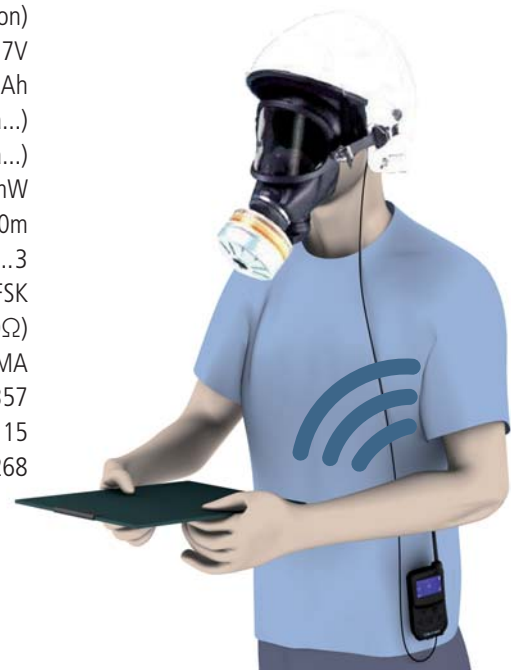
VOK-ENG

THE adapted radio communication system.



TECHNICAL DETAILS

Number of users	2 to 6 + an unlimited number of "listen-only" receivers
Weight and dimensions	150g (including battery)
.....	120 x 60 x 25mm
T° range.....	-10/+50°C
Battery life	Up to 14 hours (2000mAh version)
Battery.....	Rechargeable Li-Polymer 3.7V
.....	1000 or 2000mAh
Frequencies	863-870MHz (Europe, South Africa...)
.....	915-928 MHz (USA, Canada, Australia...)
Power	10/200mW
Range.....	Up to 800m
Channels.....	3
Modulation	GFSK
Sensitivity.....	-103dBm (BER 10-3 sous 50Ω)
Technology.....	TDMA
Norms.....	Europe: EN 300-220 / EN 301-357
.....	USA: FCC Part 15
.....	AS/NZS 4268



PRODUCTS & ACCESSORIES

Conference system

VOKKER Transceiver audio

Microphone-headsets

- SEN 010** In-ear headset
- MAE 020** Audio Pro dual-muff headset
- KEN 020** Generic headset with On/Off switch
- PIR 040** Industrial dual-muff headset

Batteries, Chargers & Push-to-talk modules

- BAT 010** 1000mAh battery
- BAT 020** 2000mAh battery
- BCH 030** 3-slot battery charger
- PTT 010** Push-to-talk module

Packaging & Accessories

- HAC 026** Rigid protective case
- SOC 010** Flexible & reinforced transport bag
- HAR 010** Harness
- ABD 010** Armband
- BEL 010** Belt
- BEC 010** Belt clip

