



ATEX Radios

Oil & Gas Industry



Safe, Reliable and Secure Analogue and Digital Radio Communications Equipment for the Oil & Gas Industry

Designed and proven to deliver fail-safe voice and data communications to the world's Oil & Gas industries, Kenwood has been supplying the Oil & Gas industry with reliable radios and communications solutions for over 15 years.

Today, Kenwood two-way radio equipment is in use in pipeline management, fixed and mobile installations in most parts of the world.

Keeping Oil & Gas installations secure and sites running safely and efficiently in difficult operating environments poses constant challenges to the industry. The ability to communicate effectively with all cross functional teams and for them in turn, to communicate with each other reliably and immediately, not only improves operational efficiency, but also provides the means to react quickly in the event of an incident.

Operational efficiency and security are some of the reasons why two way radios have become the communications backbone of the world's oil and gas enterprises both in upstream exploration, extraction and production and downstream refining, storage, transportation and distribution operations.

Safety, security and efficiency are primary requirements for any wireless communication system in the Oil & Gas Industry and Kenwood radios for the industry are either ATEX or IS certified for safe operation.

NEXEDGE® series digital radios can employ sophisticated digital encryption for secure communications, while delivering wide area coverage in analogue/digital conventional or trunking modes for increased versatility and ease of user operation.

Established in 1946, Kenwood is a leading manufacturer of professional mobile radio communications products and systems. Kenwood products are sold in over 120 countries worldwide and have earned a reputation for high quality and reliability with the ability to perform even under the most extreme conditions.

KENWOOD



Kenwood's NEXEDGE® Digital Two-Way radios and in-vehicle units feature an Analogue/Digital Mixed Mode which allows them to communicate automatically with any existing analogue radios whatever the make; providing a straightforward and economical way to use existing radios while migrating to the benefits of digital without compromising service quality and reliability.

• Staff Safe and Lone Worker Functions

For personnel working remotely or in hazardous areas, various staff safe functions are available that make use of the built-in motion sensor to identify a potential emergency and automatically transmit an alert to a designated person or system.

• Flexible through Over-the-Air-Programming (OTAP)

OTAP allows the re-programming of radios over the air. No requirement for radios to physically connect to a PC or recall the user/radio back into the office. (NEXEDGE® only).

• Safe and Secure through Over-the-air-Alias (OTAA)

Both the radio name and numeric ID are sent over the air every time the user transmits. There is no need to maintain a "telephone book" record in each radio in the fleet as the user is easily identified. Stuck PTTs can be resolved quickly. (NEXEDGE® only).

• Compatible with Analogue and MPT1327 Radio Systems

NEXEDGE® ATEX radios support the MPT1327 trunking protocol. From small groups to large scale fleets, the radios provide reliable communications over existing MPT trunking networks. Offering a migration path from an analogue system to digital in a phased and controlled manner.

• Extended Range, Improved Coverage and Spectrally Efficient

Kenwood ATEX radios strike a successful balance between a high protection class, excellent performance and 1.2W of effective radio output power. Kenwood NEXEDGE® digital radios further improve communications range with enhanced reception performance resulting from the higher sensitivity of a true 6.25 kHz channel bandwidth.

• ATEX & IECEx Certified, IP6x rated and MIL/ETSI Standards conform

ATEX & IECEx Certification provide comprehensive protection for professional radio users in the Oil & Gas industries. The certified gas group is suitable for use in most of types of gas atmospheres including Hydrogen. The temperature class covers most gases and vapours. ATEX radios are fully compliant with MIL-STD 810 C/D/E/F/G.

Analogue ATEX Radio - IP64 Rating

ATEX Certified to EU 94/9/EC
II 2G Ex ib IIC T4 Gas
II 2D Ex tD ibD A21 IP6X T110°C Dust

Both Radio's Conform to IECEx Scheme

Ex ib IIC T4 Gb for Gas protection
Ex ib IIIC T110°C Db for Dust protection

NEXEDGE® ATEX Digital/Analogue Radio - IP65/67 Rating

ATEX Directive 94/9/EC
II 2G Ex ib IIC T4 Gb for Gas protection
II 2D Ex ib IIIC T110°C Db for Dust protection



Systems - Digital / Analogue*



ATEX / Non-ATEX Radios*



ATEX / Non-ATEX Accessories*

*Please see our website for full selection of communications equipment.

KENWOOD

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Technical specification subject to change without prior notification.