

KG COMMUNICATIONS

Powering Communications for the Energy Industry

21st Century Integrated Communications

Presenter

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This document describes a new, integrated approach to voice and data communications for Petroleum and gas production and transport companies that provides technological leading-edge capabilities in the field and the main office.

Integrating Voice and Data for Efficiency

The energy industry faces a broad set of challenges including increased government regulation, environmental accountability, volatile trading markets, operational hazards, and extreme price competition. Leveraging the latest instant communications technology and staying connected with mobile and stationary workers is critical for ensuring employee safety, improving productivity, reducing costs, and growing revenues. KG Comm-powered PTT works across the latest cellular networks (including 4G LTE, 4G HSPA+, and 3G) and Wi-Fi — ensuring secure network coverage and real-time connectivity in industrial settings and outdoor work environments. With KG Comm-powered PTT, energy companies leverage a complete communications solution that integrates instant voice, group communication, broadband data, productivity applications, and business processes, all on a single platform.

Transforming the Energy Sector

KG Comm-powered PTT offers the energy industry a robust mobile solution that provides enhanced instant communications functionality and LMR interoperability — requiring just one device for both PTT and access to mobile broadband data. With KG Comm PTT, energy companies can now power their instant communications investment with advanced features such as wireless encryption, broad network coverage including Wi-Fi, and smartphones with real-time access to mobile data and productivity applications including ERP, project management, and work order management. KG Comm-powered PTT runs on mobile handsets and a Windows PC client so that all functions of an energy company's operations are able to seamlessly communicate using the same infrastructure.

Staying Plugged In

Whether you're a roustabout on an oil rig, driving a petroleum truck, or exploring new fields, being able to seamlessly communicate across a broad spectrum of users is essential for sharing, capturing, and transferring key information and data. KG Comm-powered PTT provides a Web-based administration tool that enables dynamic creation or update of contacts and talk groups, that are synched to devices wirelessly and in real-time. All areas of the energy industry can leverage KG Comm-powered PTT — supervisors, engineers, operators, technicians, and drilling crews — to communicate instantly with a broad range of devices and rugged, purpose-built accessories for hands-free use in harsh environments and outdoor conditions.



Facility / Rig Manager



Keeping an energy facility running is a critical priority for field supervisors, rig managers, and plant managers who oversee energy projects ranging from pipeline projects to offshore rigs to petroleum production.

Being able to communicate in real-time regarding production status and operations updates can greatly reduce down time, increase efficiency, and improve overall productivity. KG Comm-powered PTT also offers the supervisory override feature, which assigns pre-emptive talk priority to facility and rig managers, or anybody else designated as a supervisor. This feature is essential for communicating during business-critical and emergency situations such as oil spills and gas leaks.



Field Personnel



Having the ability to seamlessly communicate production status and operations updates across an energy plant, offshore or land-based rig, or pipeline project can be a major challenge for energy workers and field personnel who are often working in extreme noise conditions and harsh outdoor environments.

KG Comm PTT supports a broad range of rugged mobile devices and accessories designed for harsh environments, including hands-free, noise canceling, and enhanced audio headsets, earpieces, and remote speaker



Operations Managers



Energy and operations managers are responsible for key activities related to many back-office functions including energy purchasing, maintenance, and engineering. Having the ability to reach the right person or group at any time and anywhere to communicate business critical information is a key priority.

KG Comm-powered PTT provides a Web-based corporate administration tool that enables dynamic creation or update of contacts and talk groups, that are synched to devices wirelessly and in real-time. With KG Comm-powered PTT energy and operations managers can stay connected with their facilities-based employees and teams in the field, with added convenience of a centralized contact management tool.



Field/Emergency Response Engineers



Field and emergency response engineers are often thrust into the spotlight unexpectedly — an offshore rig catches fire, a tanker explodes, or a gas leak occurs.

Having the ability to quickly connect across a variety of communications systems is vital to saving lives, preserving physical structures, and protecting the environment. With KG Comm-powered PTT, emergency response teams, field personnel, executive management and local authorities can seamlessly communicate to report and address emergency situations — using just one device that interoperates with LMR and works across an extensive cellular network including 4G LTE, 4G HSPA+, 3G, and Wi-Fi.



Executives



Today's energy executives are juggling a number of business, regulatory, and environmental priorities and rely on efficient communications to ensure overall workforce optimization, compliance, safety, and productivity.

With KG Comm-powered PTT, energy executives can easily leverage a single smartphone that provides secure PTT functionality and interoperability with two-way radios to access real-time information and business applications to seamlessly communicate and make informed decisions quickly.



KG Comm-powered PTT for Every Role

