

KG Communications Enhanced Push-to-Talk with Integrated Dispatch from **AT&T**

Construction Industry

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Snapshot of the construction industry

Key Facts

- 5.7 million employees
- \$1.7 trillion in revenue (10.8% of US GDP)
- Over 729,000 construction companies
- 80% of contractors are small firms with less than 10 employees

*Source:

<http://marketing.web.att.com/oil/download?oilID=77a5b4ee83798f>

Overall business challenges

- Project management
- Employee productivity
- Logistics management
- Asset management
- Worker safety and liability
- Cost management and waste minimization
- Quality control
- Operating profit

Key communication challenges

- Reaching highly mobile employees or group any time
- Mobile access to real-time data
- Immediate hands-free communication
- Application integration
- System interoperability

Issues with existing mobile communications services in the construction industry

- Two-way Land Mobile Radios (LMR) are unable to support mobile broadband data applications.
- Two-way LMRs also have geographic coverage constraints, complexity of talk group set-up/updates, inefficient system resources for 1:1 private calls, and high total cost of ownership.
- Existing 3G-based PTT-over-cellular services only work on older handsets and have limited device choices, with no support for 4G LTE.*
- According to a ConstrucTech survey, 81% of the construction companies already use a smartphone for communications and mobile data access in the field. Those who need to use a two-way radio for PTT and a smartphone for data, must carry two separate devices, which can be costly and inconvenient.

**LTE is a trademark of ETSI. 4G LTE is not available everywhere.*

How KG Communications EPTT helps the construction industry



Key capabilities of AT&T EPTT

- PTT over latest cellular network and Wi-Fi*
- Interoperability with LMR **
- Broad device choices, including smartphones, featurephones, and desktop PC
- Application integration on the same device
- Centralized and on-the-fly contact and group management
- Sub-second call set-up
- Other advanced features, including real-time presence, talker priority (supervisory override) and talk group late entry/re-entry

*Wi-Fi requires compatible network configuration

**LMR interoperability requires equipment not available from AT&T

How KG Communications EPTT helps the construction industry, continued



Key potential benefits

- Converged communications on the same network
- A single device for all mobile voice and data communication needs
- Broad network coverage and system capacity
- Enhanced communication efficiency
- Centralized and on-the-fly contact and group management
- Reduced communication costs through device and network consolidation

KG Communications EPTT for major roles of construction

Site manager / Foreman	Contractors / Sub-contractors	Construction workers / Field Personnel	Engineers / Architects	Executives
<ul style="list-style-type: none"> • PTT over 3G/4G cellular • Feature phone • Ruggedized phone • Smartphone • Group calling • Single converged device • Productivity app integration • Remote Speaker Microphone (RSM) 	<ul style="list-style-type: none"> • PTT over 3G/4G cellular • Feature phone • Ruggedized phone • Group calling • Single converged device • Productivity app integration 	<ul style="list-style-type: none"> • PTT over 3G/4G cellular • Feature phone • Ruggedized phone • Group calling • Single converged device 	<ul style="list-style-type: none"> • PTT over Wi-Fi • PTT over 3G/4G cellular • Ruggedized phone • Smart phone • Group calling • Single converged device • Productivity app integration 	<ul style="list-style-type: none"> • PTT over Wi-Fi • PTT over 3G/4G cellular • Smartphone • Group calling • Single converged device • Productivity app integration