



Ruggedized, Long-Range Cordless Phone System Only Solution for Oil Rig Deployment

EnGenius DuraFon Pro Delivers Extended Range, Reliability, Voice Clarity, and Durability for Challenging Industrial Environment

Data Technology Solutions



Data Technology Solutions (DTS) is a communications company that provides state-of-the-art communications equipment including satellite communications, wireless broadband communications, two-way radios, and intercom systems to customers in the oil and gas, government/military, and disaster recovery markets.

DTS, which has multiple offices around the U.S., primarily provides communications solutions for companies in the oil field in the Gulf of Mexico.

The Need: Ruggedized, Reliable, High-Performance Intercom for Oil Rig Operations

The uniquely challenging work and living environments aboard oil rigs demand specialized communications systems to ensure the productivity and safety of the crew. Addressing the communications needs of oil and gas research and exploration companies aboard oil rigs is one of the primary specialties of DTS.

According to Operations Manager Lance Darbonne, DTS was recently hired by a company seeking to consolidate all the communications services for its rig sites under a single vendor.



Among the systems that needed to be deployed was a cordless phone system that utilized mobile handsets to create an intercom system that provided communications between various key personnel aboard the rig.

Darbonne explained that in addition to being extremely rugged and durable, the mobile handsets would need to provide voice clarity and extended range to enable communications across the rig and at all elevations.

The Solution: EnGenius DuraFon Pro

In selecting the intercom solution that they would deploy, DTS didn't have to look far. "The customer requirements told us to use what they were currently using on the rig and they were already using the EnGenius DuraFon," explained Darbonne. "The customer liked the performance, reliability and ruggedness provided by the EnGenius DuraFon."



"We had actually offered the customer a different long-range cordless phone when we initially put together our solution offering," stated Darbonne. "One of the problems with the initial system we offered was that they weren't as clear or nearly as rugged as the EnGenius DuraFon. Guys on the rig aren't known for handling equipment too gently."

Darbonne explained that deployment of the EnGenius DuraFon Pro system was quick and easy. "It's pretty much plug and play. We set up the base station and installed the external antenna then gave the handsets out to the guys on the rig. Very easy."

The Results: Performance and Durability Set the DuraFon Apart from the Competition

While the customer realized the performance and durability benefits that only the DuraFon Pro system could provide and demanded that the EnGenius system be deployed on all the rigs, DTS wasn't sold on the DuraFon system until they actually saw it in action.

"We were actually using a different vendor for our long-range cordless phone deployments," explained Darbonne. "But after using the DuraFon Pro for this project I'm leaning toward pushing these instead of the previous vendor due to the performance of the devices and, particularly, the ruggedness of the handsets."

About the EnGenius DuraFon Pro

The EnGenius DuraFon Pro is an expandable, PBX- or IP PBX-compatible two-way radio intercom and cordless phone system that features rugged portable handsets to deliver clear, reliable long-range communications in the most challenging environments. The DuraFon Pro can operate as a stand-alone system or can work behind PBX or IP PBX systems.

The high-power, extended range system provides cover through up to 12 floors of in-building penetration and can cover facilities up to 250,000 square feet or 3,000 acres of open land.

The DuraFon Pro base station, which supports up to 90 DuraFon PRO or DuraWalkie handsets, supports up to four phone lines and can be expanded to 32 lines by simply adding additional DuraFon PRO-BU bases. The system is compatible with Viking call boxes and supports external ringing via headset jack port 2.5mm audio output.

