

Application note

SERIAL PORT BROADCAST THROUGH BLUETOOTH



Bluetooth wireless communication was first developed for communication in short distances for computer peripherals such as keyboards and mouse application.

This protocol has grown in application not only by devices but also by power and transmission distances.

Traditionally used to convert serial communications to wireless.

The Solexy **explosion proof serial to Bluetooth converter** in combination with an **explosion proof battery** is perfect for wellhead data extraction.

The Exd wireless Bluetooth transmitter assembly is mounted on top of an oil-drilling tower. The Bluetooth transmitter device is connected to down hole sensors that are imbedded into the drill bit.



SOLEXY EXPLOSION PROOF SOLUTION

Advantages

- Set up and tear down time is minimal reducing cost
- The Solexy Bluetooth transmitter package is rotating together with the drill reducing issues of serial cable damage
- Rugged design to meet wellhead drilling environments
- Cost effective solution to replace hard wiring methods.

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The Solexy Bluetooth transmitter broadcasts a serial signal through a Bluetooth radio transmission.

*This package is **designed to be explosion proof** and meets the requirements of the classified area and the demands on the tough environmental conditions at a wellhead-drilling site.*

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