



- Hands-free operation
- 16 subscriber selectors fitted as standard
- Star wired system architecture
- Single pair field cables no multi-core or special cable
- Safe, simple communication
- Simple, easy maintenance
- Elimination of common mode failure

The PSC VODEC DX3+1 Driller's Intercom system has been specifically designed in conjunction with drilling operations to provide reliable, simple two way voice communications on board a drilling rig. The system is primarily designed to enhance health and safety on board the rig. It is developed to the same high standards of security as the PSC VODEC Public Address and General Alarm (PA/GA) System which is a prime life safety package. The DX3+1 system comprises of a central panel, (which carries switching and amplification) Driller's cabin master control, subscriber station(s) and paging loudspeaker(s).

The entire system is designed to facilitate control from the driller's position, to this end all stations are hands-free including the Driller's station.

The Driller position comprises of the following ATEX certified DX3+ apparatus:

- 200 mm/600 mm long reach gooseneck mounted intrinsically safe Exi microphone fitted to DX3MC16 control membrane panel
- Thigh/Knee/Foot Ex switch to facilitate communication control type KNS01
- Driller "receive speech" Ex Loudspeaker

Subscriber stations

Subscriber positions comprise of glass reinforced microphone and loudspeaker unit with up to sixteen stations possible to connect to a single DX3+1 switch.

- VAP01-GO can be fitted where an extended reach microphone is required
- Simple subscriber unit with microphone and single button
- For certain locations, e.g. shale shaker, an acoustic shelter aids intelligible communications

The DX3+1 switch can support a Driller's cabin fitted with dual chairs. In this instance two KNS01 knee/thigh control switches and two master control access panels type DX3MC16 are installed to allow dedicated control to each chair.

Diagram of Hands-free Drillers Talkback Intercom System

