Park Air Systems use the DeviceMaster RTS 16-port to monitor and control VHF radios in the North Sea

Park Air Systems is using Comtrol’s DeviceMaster RTS 16-port to remotely monitor and control air traffic control ground to air VHF radios around the North Sea. These radios provide the vital communications to helicopters transporting equipment and personnel to the gas and oil platforms in this region.

To maintain the continuous monitoring and control of both new and existing VHF radio systems around the North Sea, Park Air Systems is using its Multi-Access Remote Control (MARC) system to collect operational and performance data from the radios mounted on the various gas and oil rigs throughout the region.

Each remote radio’s RS-232 data is fed through an Inband Signalling Unit (IBSU), which passes audio data and control signaling over standard four-wire telecoms lines whether they be land line, fiber, SAT or micro-wave link to the DeviceMaster RTS 16-port at the central control site.

All of this serial data is then fed via Ethernet to the MARC system which provides monitoring and remote control of all VHF transmitters and receivers from the central control site. Additional centers around the North Sea can also monitor the VHF radios using the MARC system.

When Ethernet is available at future VHF sites, the DeviceMaster RTS 2-port 1E will be used to provide serial-to-Ethernet connectivity.

Paul Ratcliffe, Engineering Manger at Park Air Systems said, “The DeviceMaster RTS 16-port is ideal for our current setup, and its 2-port counterpart is starting to be used in distributed systems.”

Both DeviceMaster RTS serial device servers are built to operate in wide temperature ranges, and are able to withstand harsh climate conditions around the sea.

Continued on back
DeviceMaster® | Serial to Ethernet Device Servers

The DeviceMaster® family of serial to Ethernet device servers enable superior device networking capabilities. Connect RS-232/422/485 serial devices to the network with DeviceMaster using your existing software applications. Supports native COM, TTY, or TCP/IP socket communications. Comtrol’s DeviceMaster products feature enhanced security offering SSL & SSH management and SSL serial data stream encryption.

DeviceMaster, offers the industry’s most extensive selection of products for network-enabling serial devices. Ranging from 1-port models that provide single-device networking to 32-port models that offer high-density connections for specialized applications.

The standard 1, 2, 4, and 8 port DeviceMaster RTS and PRO products are also NEMA TS2 compliant, withstanding temperatures ranging from -34° to 74° degrees Celsius, at no additional cost. The DeviceMaster has been ruggedized to handle extreme temperatures, operating voltage and humidity fluctuation, vibration and shock commonly experienced in severe outdoor environments.

**DeviceMaster RTS** | DeviceMaster RTS is designed for device networking versatility. The RTS offers software-selectable ports (RS-232/422/485) as well as the ability to host local embedded programs that are commonly used for intermediate serial data processing, protocol conversion, and other data-centric applications.

**DeviceMaster PRO** | DeviceMaster PRO is our top-of-the-line device server. The DeviceMaster PRO can also be deployed in harsh or electrically noisy environmental conditions because it delivers an unequalled 25KV surge protection on each serial port. The PRO also has software-selectable ports (RS-232/422/485).

**DeviceMaster Serial Hub** | DeviceMaster Serial Hubs are ideally suited for in-server multi-port card replacement when RS-232 serial devices are located remotely from the PC hosting your application. Serial Hubs are available in 8- and 16-port models, which are the most popular port-density configurations for in-server multi-port cards.