US Military

N.Pacific Ocean, United States

The United States Government has recently deployed the AIM Paging System from CommtechWireless to monitor the traffic of nuclear material into the country from the Atlantic and Pacific Oceans.

This unique project involves the AIM paging system in a mobile scenario. A sensor, which is mounted in a motored vehicle, detects radiation within a given radius. When radiation is detected, the sensor device communicates with the CommtechWireless AIM-PS. Via a PT-500 transmitter, a message is sent to the pager of the authorized personnel member on duty.

In order to extract the most efficient functionality for their purposes, the operation is utilizing an opto-coupled board with voltage activated capabilities. This means that the reaction of the sensor to nuclear materials, in this case a change of voltage, triggers a response from the AIM-PS.

Additionally, six inputs are attached to the board; each with its own predefined message. This allows the system to quickly send the relevant message to the right person – and time is obviously of the essence.

To provide the large range of reception that was required of such an undertaking, the PT-500 transmitter was connected with a high-gain antenna. This transmitter configuration allows quick and interference-free transmission to the 6120 alphanumeric pagers being carried by each authorized member of the monitoring team.

It is for its alphanumeric capabilities that the 6120 pager was chosen above all others. This capability means that the six individual, predefined messages from the AIM-PS can be read and acted upon by the relevant team members.

The security of US borders and the stringent regulation of all nuclear material are of particular pertinence in the present global environment. CommtechWireless technology offers peace of mind to interests both private and public. With the expectant success of this pioneering project, the company anticipates playing an even larger role in the global security measures of the future.

Location: United States

CommtechWireless is a global leader in the supply of wireless communication solutions to mission critical environments. Commtech solutions are providing durable and reliable communication in more than 4000 sites across 50 countries.

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