

## Application Note DX-Altus and Alto

# Port Hedland Port Authority (PHPA) Commissions DX-Altus and Alto

## Customer Profile

- Large Tonnage Port

## Application

- Managing Communications for all Vessel Traffic

## Business Benefits

- Intuitive & Simple to Use GUI, Alto
- Increased Operator Efficiency
- Remote Configuration and Monitoring enables Technical Support from any location
- Easily Expandable to meet future needs (including Digital)
- Increased OH&S for Operators
- Cost-effective

## Products Used

- DX-Altus
- Alto
- AFI-IP+

**Omnitronics Western Australia**  
Phone +61 8 9445 2633

**Omnitronics International**  
Phone +61 7 3369 5733

**Omnitronics USA**  
Phone +1 904 425 0336

Email [sales@omnitronicsworld.com](mailto:sales@omnitronicsworld.com)  
Web [www.omnitronicsworld.com](http://www.omnitronicsworld.com)

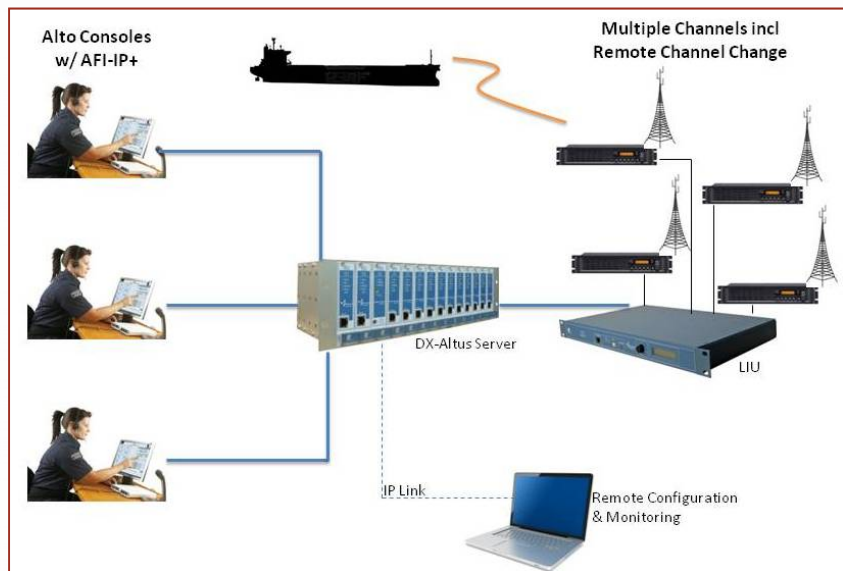


## Overview

Servicing the mineral rich Pilbara region of Western Australia, Port Hedland is Australia's Largest Tonnage Individual Port with over 110 Million Tonnes of goods transported each year. With such a large amount of vessel traffic, the Port Authority required a reliable and efficient dispatch system. With the help of Direct Communications they developed a complete solution that included the DX-Altus Radio Management System.

## The Challenge

The challenge was to provide a robust dispatch system in their new control tower. Operating on Windows 7, they required a system that was easy to use and could be remotely configured and managed from Perth as local technical support would not always be available. Additionally, remote channel change was a priority in order to communicate on multiple International Marine Channels.



## Solution

The DX-Altus server was installed in the main control room and connected to 3 Operator Stations that manage 8 channels. The Alto dispatch GUI, that comes as standard with the DX-Altus, operates on Windows 7. Alto includes the ability to remotely change channels quickly and easily.

A web-browser based configuration tool can be accessed from any location meaning technical support in Perth can remotely monitor the network and make any alternations.

Additionally, PHPA chose to use the AFI-IP+ dispatcher gateway which includes Acoustic Shock Protection. With Occupational Health & Safety a priority, this removes the instances of shrieks and squeals caused by some radio interference.

## Conclusion

After many years of using the DX-64 Radio Management System, PHPA has upgraded their network to the DX-Altus ensuring they are well equipped to meet any future demands. Additionally, the Alto dispatch console has proven to be intuitive and easy to use, requiring minimal to no operator training.

Thanks to Direct Communications for working with Omnitronics on providing an effective solution.

