



# YANGSHAN DEEP WATER PORT

Yangshan Deep Water Port Implements Psion Teklogix Vehicle Mount Computers to Reduce Dispatch Cycle Times

Yangshan Deep Water Port project south of Shanghai, China, is one of the largest port development projects in the world. In 2007, Yangshan Deep Water Port began construction of Phase III to support its dramatic growth in throughput.

## The Challenge

In 2007, average throughput at Yangshan Deep Water Port increased by 26 percent over 2006. Yangshan needed to enhance its dispatch management of container trucks to reduce the average dispatch cycle time since trucks were now having to cover an increased amount of space. The goal was to reduce dispatch cycle time from 16 minutes to a target of 10 minutes per container.

## The Solution

Yangshan already had an existing base of Psion Teklogix products installed at its port, and decided to look again to the rugged mobile computer producer for a solution. Yangshan implemented 110 Psion Teklogix vehicle mount computers equipped with WhereNet RFID Real Time Location Systems and GPS. By having both WhereNet and GPS, the vehicle mount terminals provide flexible connectivity options. The WhereNet solution provides location information for specific areas of the port where GPS is unavailable, and the application is set up to shift automatically between the two technologies as needed. The flexible connectivity options, efficient form factor, and outstanding display made the Psion Teklogix vehicle mount computers the ideal choice for Yangshan.

## The Benefits

Yangshan achieved its goal of reducing dispatch cycle time to 10 minutes per container, and it was able to do so with 100 percent tracking. Yangshan can now accurately track and dispatch trucks to assignments across its entire facility. Improved processes for driver assignments, information synchronization, and security are all benefits realized by the new solution. Due to the ruggedness and ergonomics of the vehicle mount terminals, operations have also remained fully functional in extreme weather, poor lighting, and where yard markings are unclear.





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