

# Case Study

PARK AIR SYSTEMS

**NORTHROP GRUMMAN**



## TRAINING ROOM INTERACTIVE SCREENS

Trust. Security. Expertise.  
The World's Leading  
Provider of Air-Space  
Communication  
Solutions.

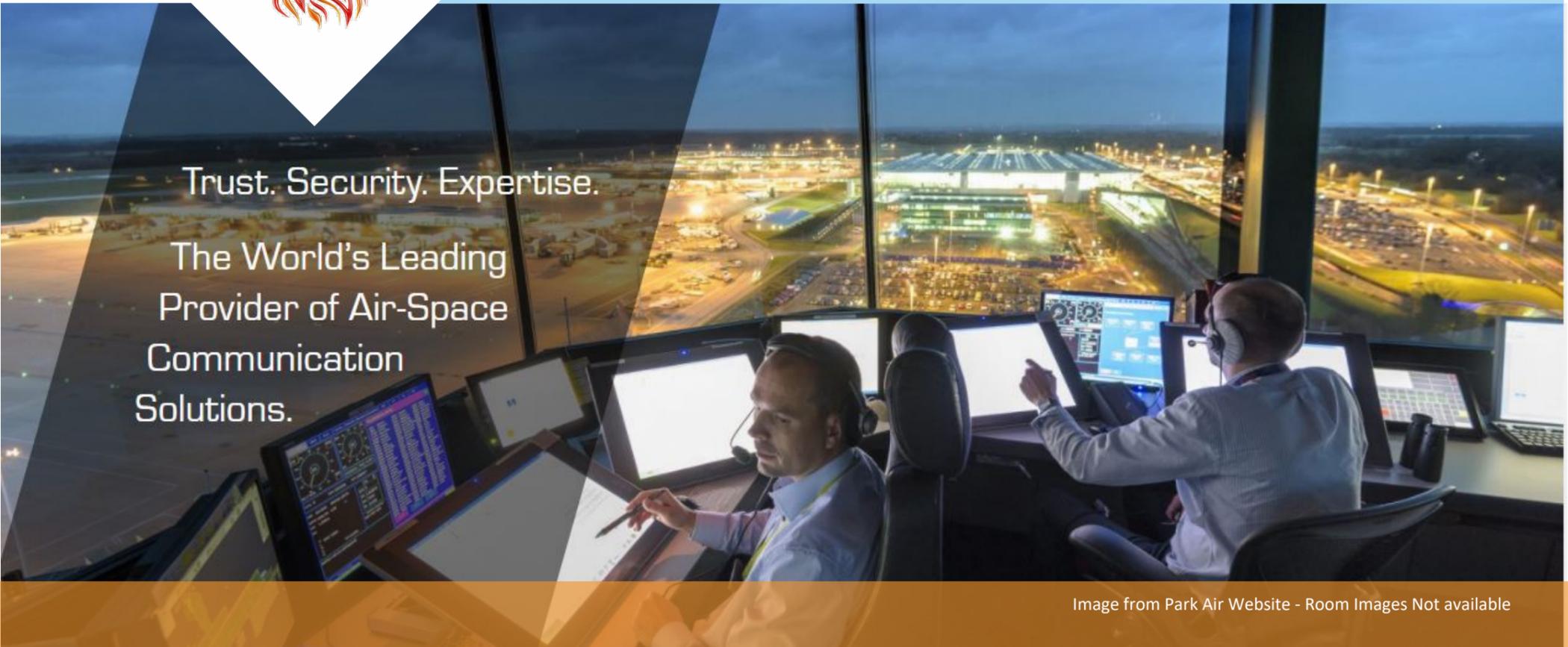


Image from Park Air Website - Room Images Not available

### Project Overview

Park Air Systems is a wholly owned subsidiary of Northrop Grumman providing ground to air communications for the military and commercial operations. Most of the civil control towers around the world will have a Park Air radio system installed.

Having moved to a new building, they required two new presentation and training rooms to be commissioned.



#### LOCATION

Market Deeping, Peterborough



#### DATE

July 2015



#### PHOENIX STATUS

Accredited Supplier & Integrator



#### NET VALUE

£ 31,675



#### MAIN EQUIPMENT

- 84" iTouch Interactive LED Screens . Extron MLC 84 Plus Button Controllers
- Extron DMP 64 Digital Matrix Processor . Extron XPA 2002 Amplifier . Extron CS 3T Speakers
- Extron WPC 220 A Connector Plates . Awind wePresent 2000 . Sennheiser SENNEW112G38

*We may be small, but we make a big impact*

## General Overview

The new building had two rooms set aside for multi-functional purposes. They needed to be able to use the rooms not just as standard presentation rooms but as training rooms as well due to the training provided to international students on the use of their radio systems.

The rooms also needed to be able to be opened up into one open room featuring two presentation screens side by side showing the same or different material.

## Main Installation System

Each room was equipped with a 84" iBoard LED Touch screen which offered both a large viewing surface at high resolution as well as an excellent interactive touch solution with both built-in Android and PC operating systems.

Each screen was linked to wall mounted speakers as a reinforcement for the presentation audio. In addition, each screen was controlled by an Extron MLC 84 Plus button controller. In this configuration, each room operated as a stand-alone system.

The addition of an Extron DMP 64 Matrix meant that all inputs could be routed through the matrix including the wall cable connection plates and the wireless wePresent systems. The speakers wireless microphone system was also connected into the matrix and out to a series of ceiling speakers across both rooms.

## Operation

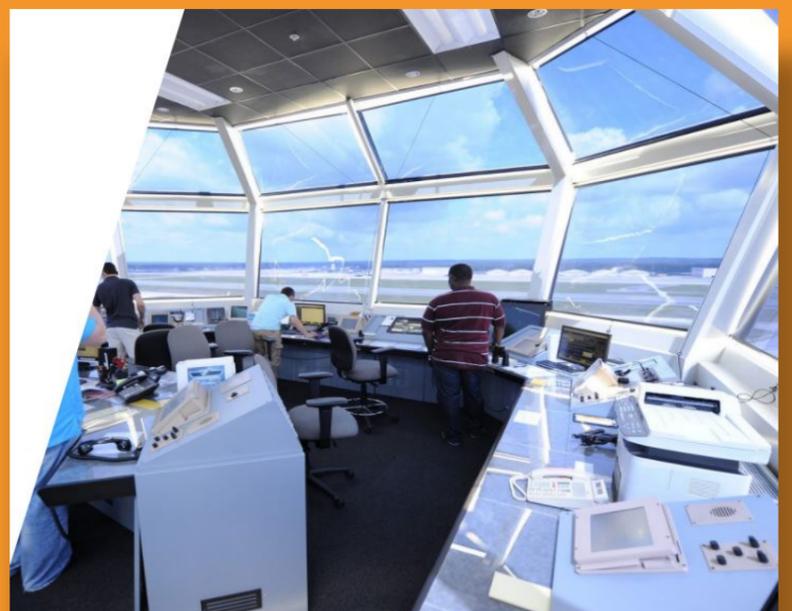
In 'stand-alone' configuration, the users in each room could activate their screen either from the button panel or direct via the screen. The immediate access to the Android OS meant that they could start using the interactive whiteboard template immediately as well as access the internet and other applications. They could also easily switch to either the built-in PC or any connected PC via cable or wireless. The wePresent gives the ability for up to 64 devices to be connected and between 1 - 4 displayed on the screen at any time.

When the room was opened, a micro-switch in the dividing doors switched the speaker system allowing the wireless microphone to be used in both rooms. The left screen took the role as 'master' and button controls and audio from the left side took priority. These were automatically shut and reverted to single room use when the divider doors were closed again.

## Improving basic ideas and concepts



Park Air Academy - Market Deeping



Typical Control Tower Using Park Air Radios