

BEYOND WIRELESS

Trends Interesting Deployments Business Impact



Experimental Aircraft Association (EAA) members were able to have always-on, high-speed data connectivity during the annual Air Show in Oshkosh, Wis.

The Problem: *To connect to the Internet, EAA members and corporate exhibitors in the past would have to use dial-up service.*

The Solution: *Northern Telephone and Data (NTD) installed Motorola's Canopy 900MegaHertz subscriber modules at each of the four hangars and at three member services tents providing high-speed data connectivity to each, similar to a T1 connection. www.ntd.net. www.motorola.com/canopy. www.connectwithcanopy.com.*

The Result: *Twenty-nine companies, using nearly 60 computers had always-on Internet connectivity in their exhibit areas. In addition, an Internet café with 18 desktop personal computers and a laptop station provided members with high-speed data connectivity.*

Background

The EAA AirVenture Oshkosh annual event is called "The World's Greatest Aviation Celebration", featuring more than 12,000 private, commercial and military airplanes and more than 850,000 attendees. During the week of the air show, the Oshkosh airport gets busier than Chicago's O'Hare International Airport. The EAA infrastructure, which is challenged to meet the needs of campus-based IT equipment and point of sales technology, turned to Motorola's Canopy wireless broadband solution to provide Internet connectivity. "In the past we provided ISDN and BRI ISDN for voice and T-1 for data," said Frank Tower, NTD's network operations manager. EAA installed Canopy's 900MHz product to seven locations, which were fed by a Canopy 5.2GHz backhaul to NDA's main tower just three miles from the airstrip. "I was very leery of unlicensed wireless broadband technology, because we are an independent carrier," said Tower. "I've got to admit, the Canopy equipment surpassed our expectations. It was easy to install and we were able to supply high-speed Internet connectivity to the exhibitors in the four airport hangars, as well as to the EAA membership services tents." Tower said the EAA saved thousands of dollars by avoiding trenching fiber or copper to the seven locations. "They were quite happy with what we were able to do with the Canopy solution," he said. NTD will keep the Canopy system in place to serve a number of other events and conventions that call EAA home.

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Beyond Wireless is a mini case study that is intended to illustrate a unique deployment of Motorola's Canopy wireless broadband technology. Our goal is to highlight applications depicting the evolution of wireless broadband technology that connects people to people and people to devices.



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