



**LOCATION**

**Newark Liberty  
International Airport  
Newark, NJ**

**Challenge**

The challenge was to bring fresh air to the back office areas of Newark Airport, which were isolated from outdoor air intakes by new construction and steel-reinforced concrete structural members. Using conventional ventilation techniques with partial energy recovery, hot/cold water coils, and ductwork to resolve this issue would have cost more than \$100,000. Haglid Engineering fixed this problem for less than half the price.

**Solutions**

To provide a fresh air supply, we used a BPE-200 X-Type heat exchanger with a heavy-duty 8" Inline fan and a 200-foot-long 8" flex line. The exchanger was efficient enough to condition the outdoor air to within 5°F of room temperature without additional heating and cooling coils, greatly simplifying the fresh air ventilation system. The entire installation totaled less than \$5,000.