



Impress Metal Packaging Ltd

"We installed 34 Airius number 35 free hanging units into the can assembly plant at our manufacturing site and I am very pleased with the results so far. The heating system in the building now comes on far less than it used to and the employees who work in this building are now much warmer.

"first winter savings of £62,251 measured against a total spend of £21,268!!!"

The overall savings taking into account lower temperatures and prices in winter 08/09 = 45.07%. The full cost of the Airius units is recouped within a matter of months - first winter savings of £62,251 measured against a total spend of £21,268!!! I will be looking at other buildings on our site and also recommending Airius fans to other companies within the group who operate from many large buildings throughout Europe."

Paul Mattin - Engineering Manager



Bowplex PLC

"We are very impressed with the results Airius fans have achieved in our ten pin bowling centre at Nantgarw in South Wales. The atmosphere inside has been greatly improved reducing staff & customer comfort complaints by 90%.

"They have also allowed us to increase our thermostats from 19°C to 23.5°C resulting in a saving of over 70% on our cooling costs!"

They have also allowed us to increase our thermostats from 19°C to 23.5°C resulting in a saving of over 70% on our cooling costs! The Airius system has far exceeded our expectations & will be standard equipment for all our 18 bowling centres in the UK."

Ben Carne - Energy Manager



Genentech Pharmaceutical Inc.

"The accompanying thermal images (See Pharmaceutical Warehouse Case Study on the case studies page of this website) were developed from the temperature controlled warehouse of a major pharmaceutical company. The company's new 50,000 sq ft warehouse facility in Louisville, KY did not pass the Food and Drug Administration's required Temperature Validation Tests with the originally designed HVAC system. As can be seen in the 'Base Case' image without AIRIUS® fans, the top levels of the pallet racking were exposed to 73°F air, too high a temperature for the inventory. This was a major problem, the facility was due to open and the space was badly needed. The HVAC contractor had tried everything they could think of and had no answers for the problem short of starting over with a re-designed system.

"This case is a graphic example of how the AIRIUS Thermal Equalizers can work in air conditioned environments as well as heated environments and testifies as to how well they truly do equalize nearly 100% of the air temperature in a given space."

A senior facility engineer had been told of the AIRIUS Thermal Equalizers® by an AIRIUS sale agent and suggested the use of them for this application. The HVAC Contractor was very skeptical that the devices could raise the cold air levels and maintain them. AIRIUS personnel were called in to review the situation and it was determined for this large application that 50 AIRIUS Model 25-120V Thermal Equalizers® would be required and were air freighted at the customer's request within 2 days. The facility quickly agreed and the installation was a success. In spite of the fact that the Thermal Equalizers were originally developed to de-stratify heated air, and the fact that cold air naturally sinks, it can be seen by comparing the 'Base Case' image to the 'Base Case With 50 AIRIUS Fans Installed' image that the use of the AIRIUS fans has balanced the level of cooler air in the room to the point where the upper rack levels are no longer in jeopardy – Thermal Equalization! The elevation graphic shows a complete equalization of temperature around the pallet racks supporting literally billions of dollars of inventory from floor to ceiling meeting FDA regulations and approval.

This AIRIUS installation allowed the warehouse to pass FDA Validation Testing and helps ensure the safety of the products for the manufacturer and the consumer. It has been reported to Ray Avedon of AIRIUS, LLC that the temperature variance from the bottom of the 18' racks to the top with the fans running over the last year is only ½ to 1°F This case is a graphic example of how the AIRIUS Thermal Equalizers can work in air conditioned environments as well as heated environments and testifies as to how well they truly do equalize nearly 100% of the air temperature in a given space. The results of this original installation; AIRIUS is now specified in the next two warehouse projects, one in 2007 and another in 2008, for this same pharmaceutical company."