



Derby Football Club

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Paul Tyrrell
Derby County Spokesman



Background

Pride Park is home to 30,000 fans on match days and the importance of providing a warm and comfortable environment for spectators was paramount to Club Owner, Mel Morris, especially with more and more families attending games and the winter months being so cold. Reznor designed and integrated a new, heated concourse, which is thought to be the first one in the UK. It has received a very warm welcome from fans, with the club receiving some very positive feedback verbally and through social media. It has been a valuable initiative adding to the enjoyment of a match day experience.

Derby County Spokesman Paul Tyrrell said *"We are continuously looking for ways to improve the level of service and quality of the match day experience for our supporters. Many enhancements have been made to Pride Park recently and our decision to introduce a new heating system in our concourses was a vital element of this upgrade programme."*

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Nortek Global HVAC UK Ltd

Fens Pool Avenue, Brierley Hill, West Midlands, DY5 1QA, United Kingdom.

Tel: 01384 489 700 Fax: 01384 489 707 reznorsales@nortek.com www.reznor.eu

Reznor worked alongside Pegasus to provide the best possible heating solution for Derby FC's unique requirements.

The concourse is open to the pitch, therefore the outside air would constantly infiltrate into the area. The Reznor Nor-Ray-Vac radiant heating system was ideal in this instance, as the system transfers energy by means of electromagnetic waves which pass through the air without heating it, instead heating the surfaces beneath the heater. This method results in an increase in energy efficiency, as energy is not wasted heating the cooled air. Another major benefit to radiant heat is to be able to create an environment without stuffiness.

The Nor-Ray-Vac system was designed and implemented by local contractors Pegasus, and provides blanket heat coverage of the concourse, eliminating any cold spots and has an estimated potential fuel saving of 25% over an equivalent warm air system in this type of environment.

Installation Summary

- / Derby County Football club invested in a Reznor Nor-Ray-Vac continuous radiant tube system
- / Uniform blanket heat coverage minimised any effect of cold spots
- / Highly efficient with rapid heat recovery times
- / Zoning capabilities produces considerable fuel economies and cost reductions
- / Comfortable environmental temperature with approx. 5oC lower air temperature
- / Potential savings of 25% over an equivalent warm air system in this type of environment

Technical Summary

- / Product: Reznor Nor-Ray-Vac system installed, suspended at 6m
- / Heaters: Burners in two zones and two discharge flue points
- / Dimensions:
North stand - Length: 112m, Width: 7.5m
West Stand - Length: 70m, Width: 7.5m
Family Stand - Length: 70m, Width: 7.5m

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