

CASE HISTORY PROJECT SUMMARY
Medical University of South Carolina
Charleston, SC



PROBLEM: Provide energy efficient dehumidification while providing precise humidity control to a laboratory at the Basic Science Building.

SOLUTION: Carolina Heat Pipe, Inc. provided and installed a two (2) row controllable Thermospyphon Run Around Heat Pipe (TRAHP™) system in two air handlers totaling 44,000 CFM of outside air serving the animal care facilities in the Basic Science Building.

RESULTS: By preheating the outside air, free reheat was provided for humidity control.

PAYBACK PERIOD: 1.7 years.

RETURN ON INVESTMENT (ROI): 59%

CHP#: 97-054