



HEAT PIPE TECHNOLOGY

CaseStudy

Multiple Split Sections

THE SMART WATER-GLYCOL FLEXIBILITY FOR IT'S DESIGN MADE IT THE RIGHT FIT FOR THIS CONVERSION PROJECT



OPPORTUNITY

The conversion of a nine-story, 103,000 square feet office space originally constructed in 1915 into a 60% lab/40% office use life-sciences building posed several challenges for the project design team. The team had a goal of preserving as much of the historical nature of the building as possible including making no changes to the exterior façade of the building. Thus, this project had two large rooftop exhaust units and 9 relatively smaller supply air handling units. To downsize the heating and cooling requirements on this project, the team turned to energy recovery. The size of all off-site constructed components posed a challenge.



THE SOLUTION

With the opportunity energy recovery presents to downsize some of the equipment for this building conversion and Heat Pipe Technology's flexibility in design, the SMART Water-Glycol system was selected for this project.

Eight row coils in multiple sections for ease of installation were selected for this project. Our solution allowed for the preheating of the outside air to 42.2°F using 70°F exhaust on the winter design day. To resolve the challenge the design team faced on how to bring equipment into the building, HPT manufactured the skid in 6 sections with each section designed to fit into a service elevator and through an entryway into the mechanical room. With this off-site modular construction with quick-connect construction, minimal assembly work was needed in the field.



THE CONCLUSION

HPT provides flexibility of design to engineers and building owners. With state-of-the art runaround glycol performance and industry-leading controls, the SMART Water Glycol system is the right solution for you.

For quick turnaround solutions to your energy recovery needs, reach out to sales@heatpipe.com.

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