



Portable Variable Air Volume Apparatus

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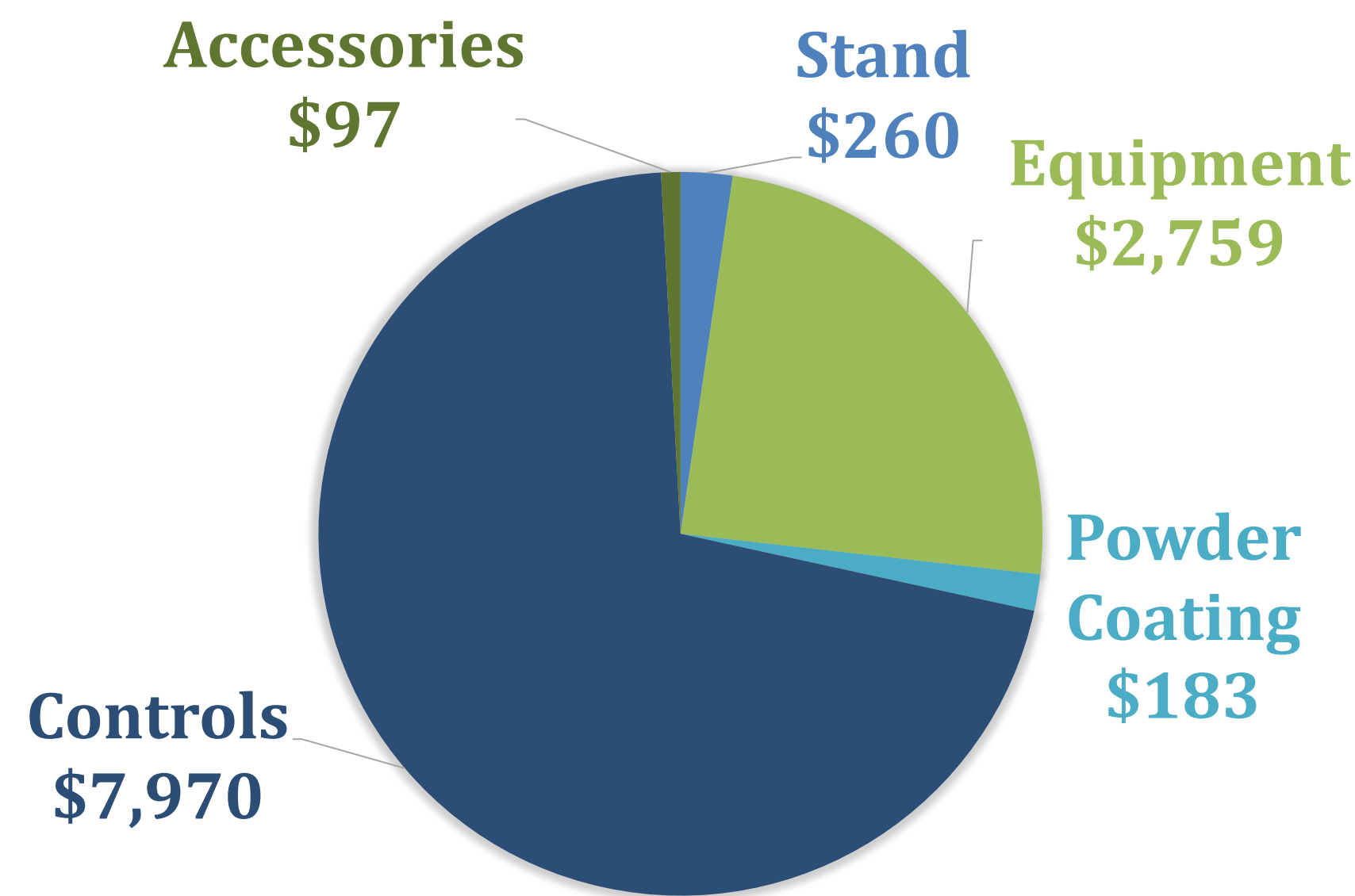
Background

In 2018, the University of Regina introduced an HVAC&R undergraduate course and laboratory. Since then, the instructors has been aiming to supplement the course material with laboratory equipment.

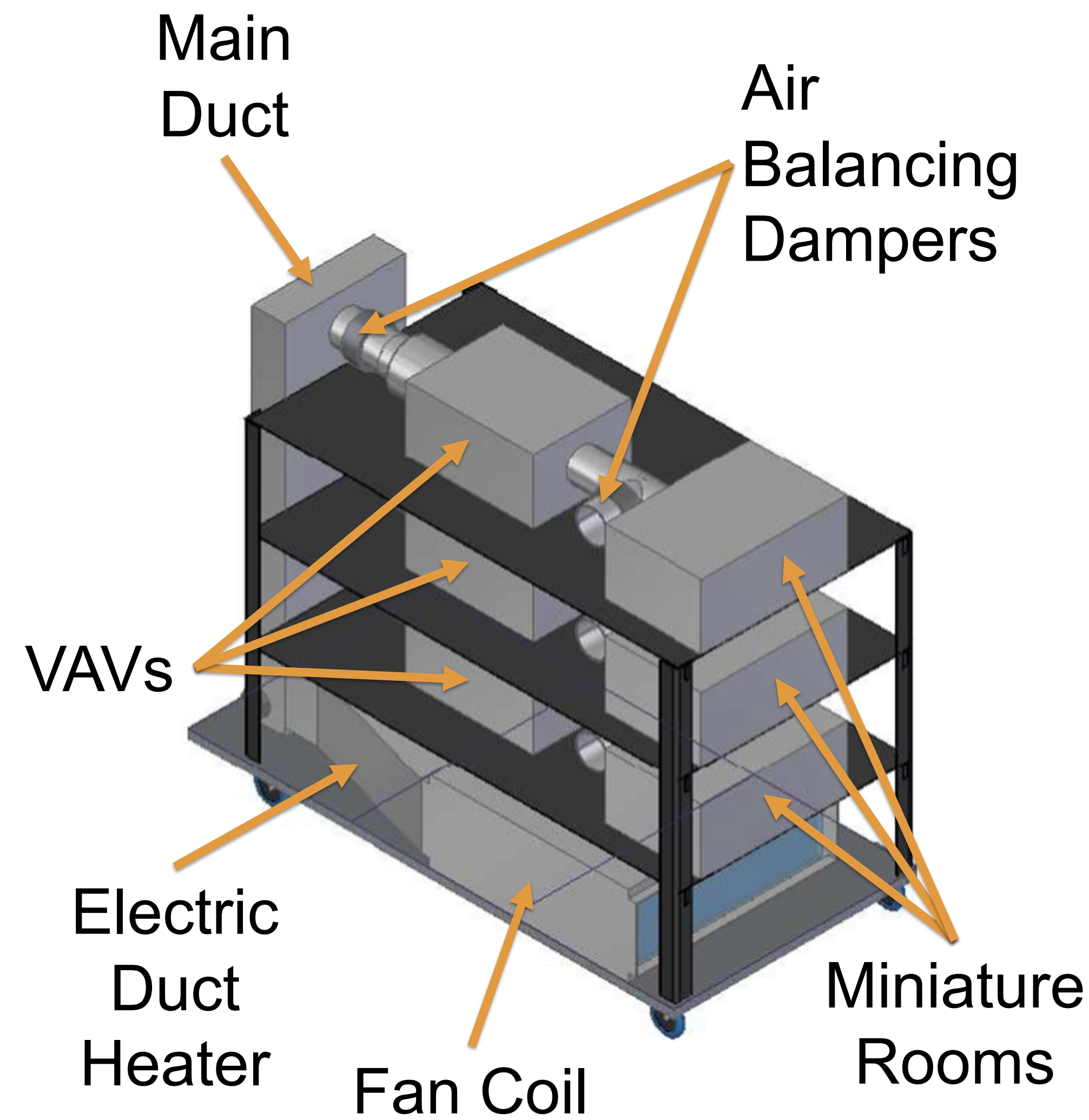
Project Goals/Objectives

Design and construct a portable, interactive teaching tool that demonstrates the fundamental principles of air movement, heat transfer, and building control for use in the University of Regina HVAC&R laboratory.

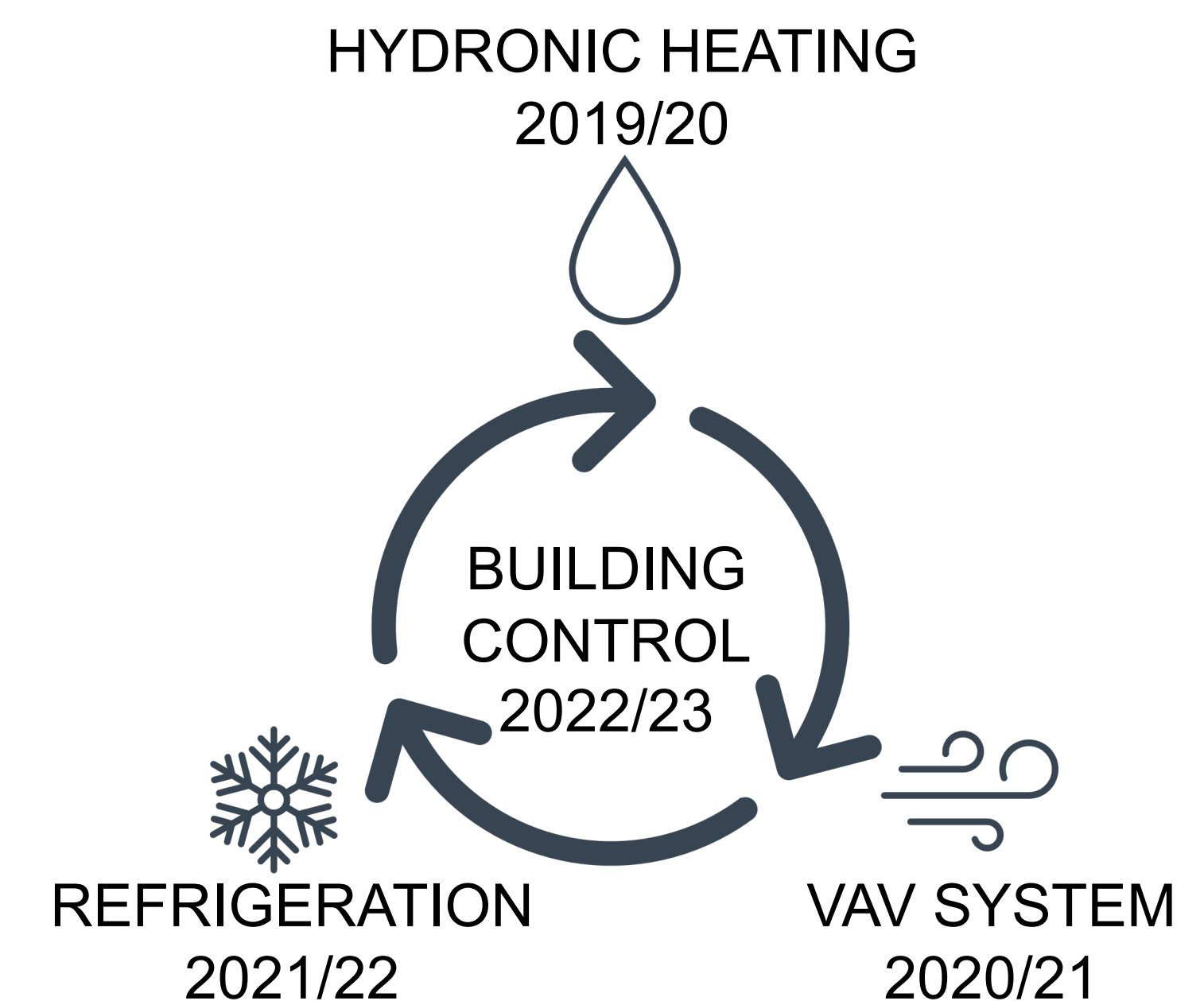
Cost Breakdown



Design



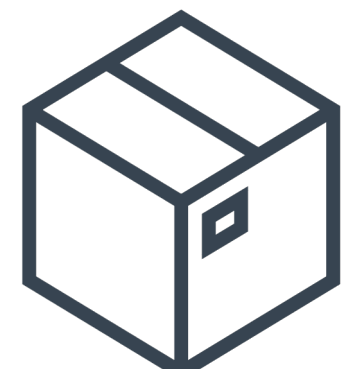
Going Forward



Project Timeline



System Design



Equipment Selection



Layout Design



Fabrication



Verification



Implementation