Heatsink Design for Electronic Equipment

A Major Qualifying Project Report

Submitted to:

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Abstract

Heatsinks are crucial components within electrical systems that help them run more efficiently by preventing them from overheating. In this project, the team focused on developing sustainable and efficient solutions for energy and electronics. Schneider Electric sponsored this project to improve the thermal and cost efficiency of heatsinks within one of their uninterruptable power supply systems. This project focused on the re-design of heatsinks and recommendations for alternative thermal pad models through numerical analysis and experiments.

This report has been redacted due to the confidential nature of the project.