Project Objectives

To extend the life of steel drums used by Arcelor Millar in the steel production process and to reduce drums sent to the landfill.

Final Design: RECONDITIONING

Our team’s final design is the process of cleaning, flame treating, and repainting the drums so they may be sent back to the suppliers and reused.

Analytical Hierarchy Process:

Background

ArcelorMittal currently creates waste in the form of 55 gallon drums they use to hold the antifreeze used in the steel production process, because of the toxic nature of antifreeze it limits the use of the barrels post production.

Concept Selection Scoring Matrix

Cost

System Diagram