Design Project II

The goal for the Design Project II in our Engineering Design 100 class was to reduce ArcelorMittal’s waste stream at one of its facilities by designing an opportunity to reuse and recycle one or more of the largest source of refuse. In some way shape or form we had to take the recycled pallets from incoming material delivery, empty drums or totes received from delivery of fluids, or waste refractory bricks at ArcelorMittal and either make a new process or product where we would reduce the company’s carbon footprint while at the same time profiting them economically.

Above is our poster describing the process we went through to make our product for ArcelorMittal. We decided that it would be more economically sound to make a product instead of a whole brand new process. The portable camping stove would make use of the excess waste at ArcelorMittal while at the same time minimizing cost for the company and the consumer.