

## Design Project II

For our second design project, we were sponsored by the company Lockheed Martin. This was very exciting because LM is a very prestigious company in the technology field. We were given five different design project options including topics like heat exchangers and USB ports. Our group chose a project pertaining to the landing process of a UAV. Our task was to give LM the opportunity to use Additive Manufacturing for the elevator of their UAV, Desert Hawk III. The challenge was that the elevator of the Desert Hawk III took a large amount of shock from the landing and so our design still had to be strong. We tampered around with it on Solidworks and were able to take out a large percentage of the elevator while still distributing the shock all throughout it. We presented our idea in front of our peers and our class was voted to represent our section at the design showcase. At the showcase, we presented our idea to representatives of Lockheed Martin. Although we did not win any awards at the showcase, it was still a great experience.

