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# SolidWorks Project

Wind Turbine



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## Wind Turbine



### Why I chose the wind turbine:

My solidworks project is a wind turbine. The reason I decided to create a wind turbine is because the EDSGN100 course focuses a lot on sustainability and wind turbines play a big role in sustainability when it comes to production of electricity by providing energy with no emissions of CO<sub>2</sub>.

### The most difficult part of the project:

One of the hardest tasks I faced when doing the project was creating the blades of the wind turbine. I created one blade and then used an option called component pattern in order to copy the same blade and come up with three identical blades. Another thing that I found quiet challenging and took some time from me is making the blades move.

### How this product is related to me:

Since I am an engineering student, topics like energy are of great importance to me especially renewable energy. The reason behind this is that these types of topics are very crucial in our lives and engineers always conduct research on how to improve such products. In addition to that, during high school I did a lot of research on wind turbines which encourages me to go for it as a project.

### What I learned from the project:

Solidworks is an interesting program and using the skills that we learned during the course and applying it for the final project benefited me a lot since it allowed me to perfect the skills that I already learned, practice the skills that I found hard, and also learn new skills. One of the benefits of solid works that I like very much is that it is very straight forward, not very complicated when you get a lot of practice. I will definitely keep on using solidworks for the rest time in university since it can visualize many engineering applications.