



The Environment and Sustainable Development

In the future when I am an engineer I think that the courses in sustainability can be very useful. Since I might get a job as a technical designer, where I am able to choose what material my company are going to use in their products. An environmental friendly choice of material can make a big difference in terms of my company's environmental footprint. Therefore I think that the courses within the subject of sustainability can make a big difference since I always will have the environmental impact in mind, when designing systems or components.

In my future career I will try to focus on protection relay and protection of transmission systems. In order to have a larger share of renewable e.g. solar and wind power, the protection systems must become smarter. Since the larger share of solar and wind will lead to power swings in the system where the production might not always go from the distribution network down to the consumers. But instead the consumer can send their energy into the distribution grid. This means that the protection relays must be developed to protect the system from this new phenomenon, which I am happy to do.

Learning is a constant process, from the course material I have learned much. But the most important thing that I have learned in this course and in the KTH in general is to have the environmental impacts in mind. If one always considers the environmental aspects, one can find a way to make the product a little bit more environmental friendly. So by knowing the basics and by having an insight in environmental issues, one can make informed decisions where the environmental aspects are taken into account.

I think that KTH has done quite a lot to prepare me for my future as a sustainable engineer. But as in my career I am likely to end up in one quite narrow market. And then it might be hard to change the society as a whole. But since there are a lot of engineers that graduate from KTH and each one contribute with their small part, the total impact of everyone's contribution can make a huge difference.