

Seminar 5 – Sustainability

I think that sustainability will play a huge role in my career in the future. I think that not including sustainability in your role as an engineer isn't an option today. And why shouldn't we? I think that as an engineer you want to develop solutions to problems, and if you don't include sustainability you haven't found a solution. But of course, you have different aspects of sustainability, and it is important that all of them are considered.



I did my bachelor in energy and environment, and one of the main reasons that I want to get a high level education is because I want to be a part of the sustainable development. I haven't decided on what I want to do after I graduate, but I have two main options at the moment; integrating renewable energy sources in the power system or electric cars. The main reason that I'm interested in this is that I think it will help us move towards a sustainable society, and I hope that it can contribute to both economic, social and ecological sustainability. One of my goals is to help develop technology that helps us get rid of the dependence of fossil fuels, which is of great concern for the sustainability.

During my bachelor I learned a lot about ecological sustainability, and the system perspective was always considered. From my master, I will learn more about the technical part, for example about the requirements that we have in the power system or how the components work. I think this will give me a stable knowledge that can grow with experience, and I want to connect this technical knowledge with the system perspective I practiced in my bachelor. In this way I hope to be able to include both social, ecological and economical sustainability in my future career.

Most of the courses at KTH mention that sustainability is a very important topic, but I think that some courses in the master could discuss it more. For example, wind power is always mentioned with a lot of advantages, but very few occasions mention the disadvantages. Sometimes I think that we need to discuss the larger picture, just to make sure that we as students have seen the other side of the problem and to help us understand that everything is very complex. As we saw in the video, there are a lot of things to consider when finding a sustainable solution and a lot of perspectives.

One thing that I think is very good with at KTH is that we do a lot of projects and we have many different cultures represented at the university. At least for me, I think it is very interesting to hear opinions and reasoning from people with a different background than I have. It helps you understand the different conditions in different parts of the world, and can help you see the problem from a new point of view which I think is a critical part of creating sustainable solutions.