

HW 12 Solar Power for Africa December 10, 2021

In this course we have covered myriad technologies that could be applied to development, technical startup businesses, and investment opportunities. We have also briefly discussed some of the varied economic and social situations across the continent of Africa from the developed regions of South Africa/Namibia and Northern Africa to the poorest countries on earth such as Ethiopia, Malawi, Madagascar, and Liberia, and many between such as Tanzania, Nigeria, and Kenya. For the last homework I would like you to step back from the information and consider a specific situation where you think you could make a long-term, economically viable impact either altruistically to improve lives especially growing economies in some way; or with a capitalistic intent for personnel gain and business development; or with the intent of expanding markets, for instance, for a company with which you have interacted such as expanding market for consumer products in the fastest growing part of the world or taking advantage of underutilized resources such as petroleum development off northern Mozambique.

The essay can be any length from a few paragraphs with a couple of photos to much longer if you are interested. The essay can be on existing technologies that we covered in class or could be something new or something from a different source. The purpose of this assignment is to layout a framework for what might be possible and of interest to you. *(If you don't have an interest in this direction you could just explain why. For instance, a Greek student might say he wants to help Greece through its economic and immigration troubles and doesn't have time for Africa. Then give a few details and hopefully a plan of attack.)*

If there is interest in pursuing a certain area or technology next semester I can setup an independent study project for credit. This could be in a group or could be a single person. In the past students have built a solar panel, built a flow through battery, built an adsorption refrigerator, done an in depth study of future energy sources in Zambia (which was sent to the Zambian Energy Ministry) and submitted for publication.

Have a nice Christmas break.