



Department
Of
Chemical
Engineering

July 12, 2021

Dear Sir/Madam,

I am indicating in this letter that I would be more than happy to participate in the project *Ethiopian Manufacture of Drip Irrigation Control Systems* as described in the proposal to the US Embassy. My skill set is in technology and in techno-economics.

I am a PhD student at the University of Sheffield. Prof. Gregory Beaucage came to Sheffield as a Fulbright Global Scholar in 2018. During his time here I was fortunate enough to have contributed to his project which was focussed on the development of cell-phone controlled soil moisture sensors. This was a fantastic opportunity for me as I was able to supervise Masters and Undergraduate-level students and apply for funding. I also had the chance to organise a trip to Ethiopia to meet with University students at Addis Ababa and Dire Dawa to complete the knowledge transfer part of the project. We were able to manufacture the sensors in Addis and Dire Dawa as well as field test the devices in drip irrigation study fields operated by the Addis Ababa Institute of Technology and by Fair Planet NGO in Dire Dawa. I also received further funding to travel to Lesotho with Prof. Beaucage and Oz McFarlane, a senior technician from my department, where we worked with farmers from Maseru to incorporate our moisture sensors with their drip irrigation systems.

Sincerely,

X 

Maximilian Yan

PhD candidate

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