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Expression of interest

Dear Sirs,

This letter is to indicate my participation in the project Ethiopian Manufacture of Drip Irrigation Control Systems which is being submitted by Stem Synergy International. We plan to participate in the development of control systems as outlined in the proposal. We have already manufactured cell phone controlled, solar powered soil moisture sensors at AAIT with undergraduate and graduate students in collaboration with Beaucage and the team from the University of Sheffield in the UK. We can make available up to one hectare of agricultural land with vegetable crops that we have already used for tests of drip irrigation with our partner producing vegetable crop at the outskirt of Addis Ababa City.

Implementation of the new monitoring and control systems on our existing facilities should be straight forward. From these tests we will be able to determine the improvement in agricultural productivity due to the new irrigation and fertilizer control system. We will also be able to fine tune the devices for the particular soil and climate conditions near Addis Ababa, Ethiopia.

These testing activities will require about 6 months and should provide sufficient data for commercialization of the control systems.

Sincerely,

Berhanu A. Demessie (Dr.-Ing) Associate Professor, Chemical Engineering