



iGrow: Truffle Irrigation Control and Monitoring

Truffle is a fungi which grows in symbiosis with certain tree species. More specifically, near tree roots. Furthermore they can be found only on very specific soils and locations where water supply can be limited. All this makes them delicate to grow and very valuable. Truffle farm consists from trees infected with mentioned fungi. To keep farm healthy it is needed to control humidity of the soil in which truffles grow. This part can be often challenging due to location and missing public infrastructure.

Our goal was to develop a system which works off the grid, controls water on the farm and informs farmer about possible need for resupply of it. We are calling this project Igrow!

Igrow infrastructure keeps farmer notified regarding the state of the water and reduces the amount of it brought to the site. This brings cost of farming down and reduces the workload on the farmer.

