Alternative Wetting and Drying for Rice Cultivation in Egypt

The Problem

Egypt is currently facing a water shortage.

It is expected to be in an absolute water crisis by 2025.

Thus, Egypt is decreasing the amount of land used to farm rice by 34.6%.

Solution and Benefits

Phone Application to notify the farmer

Water level Sensors for monitoring water level

Water Pump is controlled through signals from the water level sensor.

Water use

Early stages

Flowering stage

Grain filling

Up to 30% less water used on average

Water use

10 days

Time