

Task of the week: medium term planning

I. What can be achieve in 1 year, 2 years and 5 years?

Talking about projects, it is important to make some previsions about what could be done in the upcoming days, month, years. In the context of our sustainable farm, we must think about what should be done in 1, 2 and 5 years.

In 1 year, we can:

1. buy the land between 2.5 million to 5 million FCFA (3500 to 7000 euros)
2. hire local community to work in the farm,
3. build warehouses,
4. setup the irrigation system using automatic irrigation system ,
5. setup an energy supply system using solar tracking system and energy manager ,
6. prépare the land (use some fertilizer),
7. plant some cowpeas,
8. manage pest and diseases, ...
9. monitor the farm
10. harvesting
11. store the crops using smart dryer,
12. manage access using Face Recognition
13. do marketing using Faso Music
14. Start selling product to local community

In 2 years, we can:

1. start product transformation using the ball mill,
2. look for a waste management system: maybe try to produce energy with that

In 5 years, assuming that people start getting interest in the farm, we can:

1. start managing visitors with no Reesa and faso music,
2. implement the image recognition system to detect disease of plants
3. try to sell our product abroad, look for international partners for exportation ,
4. increase our effectives

To do a good plan we should take into account the resources that we have, so actually these are some provisions made without taking into account the amount that we have to set up the farm.

II. Bridge the gap between small demonstrators and the long-term vision.

The overall vision of this project is to be able to build an **automated complete sustainable farm** in 10 years maximum. The 4 small demonstrators will allow us to deeply test the main technologies (composting system, Rainwater Harvesting System, Micro-Garden with Mulching, Solar Lighting System) used in a sustainable farm. So, doing these firstly, will make easier the set up of the farm in real time.

III. Ensure alignment with the stages, goals, and Infineon's role.

The main goal of Infineon is to make life easier, safer and greener for generations to come. This project aligns with this because:

These contribute to make **the life easier**:

- Automatic irrigation system instead of manual one
- Products transformation Ball mill
- No-Reesa voice translator

Make life safer:

The face recognition system contribute to make life safer by controlling who can access to the farm, and detecting the plant diseases earlier allowing the easy cure.

Make life greener for future generation:

- Planting trees
- Using renewable energy
- Managing waste