**The Greenhouse Project**

**Everlast Agro B.V**

* **Problems:**

1. Peak hours are overwhelming and people have longer working hours.
2. Yields of crops depends on the season, because of that the profit of the company fluctuates and some months it is negative.
3. Exceeding energy costs and difficulties to maintain the climate in the greenhouse. Because of the old monitoring system, it is hard for workers to do their job, especially during the Covid-19 pandemic.
4. A huge part of the job is managed by hand and people cannot focus on their more important tasks.
5. The company’s sustainability needs to be improved, so that it has a better impact on the planet.

* **Solutions:**

1. Creating a new up-to-date monitoring system that collects overall information about temperature, humidity, water consumption, soil fertility, energy consumption and hours of sunshine. All this information with data about previous days, would be accessed from everywhere through a phone app. It will show information about peak hours, so that the workers could be send where they are needed. Also, there will be special alerts when something is wrong.
2. Implementing special automated system that controls the temperature humidity and water supply so that the workers can focus on more important tasks and the climate in the greenhouse will maintain the same. This will also reduce any energy waste and workers would not be required to go to the greenhouses.
3. Through the app, every worker should have remote access to the greenhouse, so that he can see if there are any errors or failure. This way they would be able to work through home during the pandemic and will only go there if it is really important.
4. Focusing on seasonal crops for internal usage. There will be less exhausted fumes, the company will be more eco-friendly, and there will be less expenses.