



# SPROUT, YOUR SMART URBAN PLANTING SOLUTION



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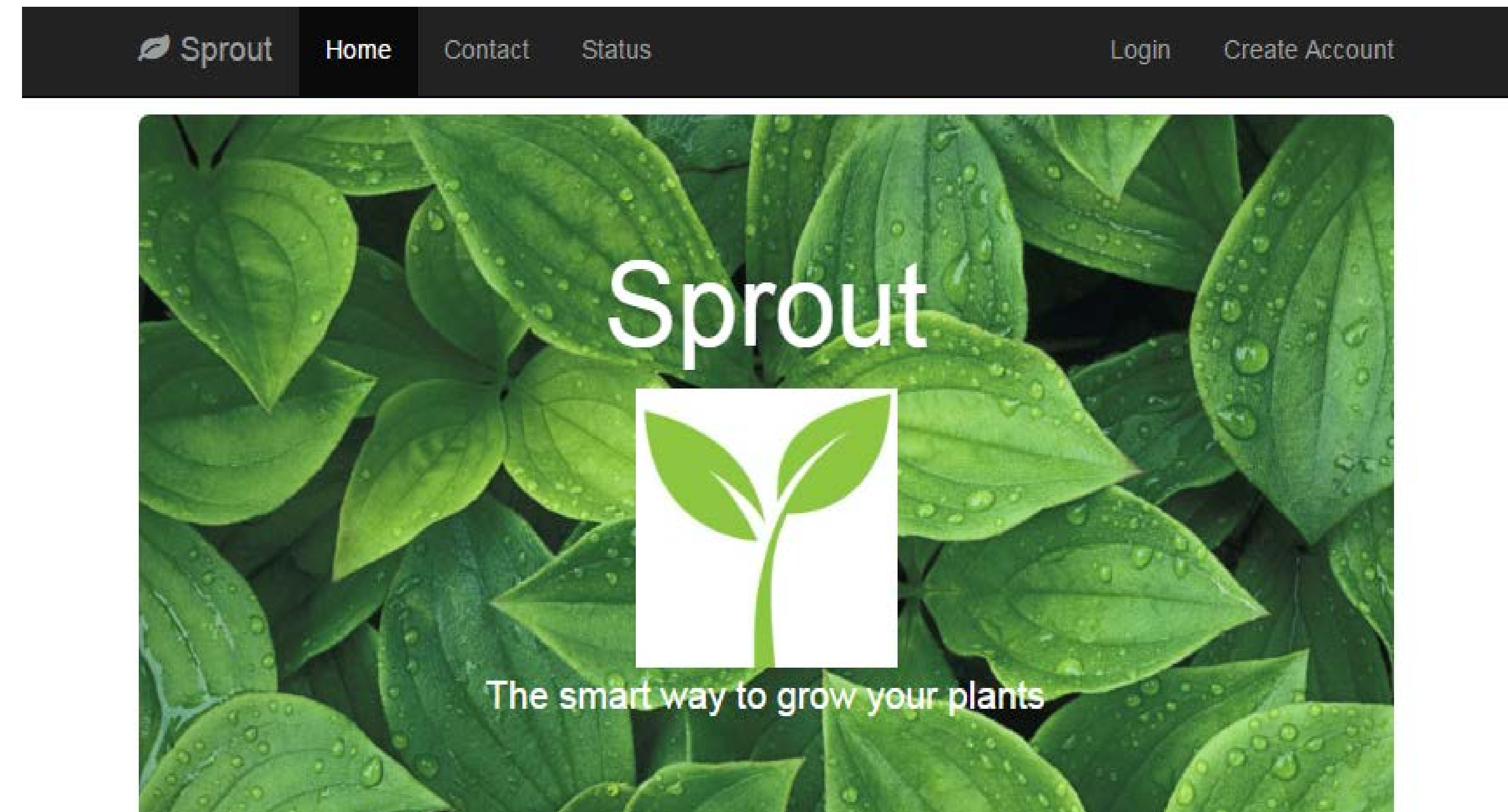
## Project Overview

Sprout is an affordable sensor suite packaged in the size of a pebble that will offer customers a quick, convenient and effective way of monitoring their plants.

The Sprout cloud integration and smart algorithms will enable customers to not only track the growth of their plant but also compare with data from others in the region.

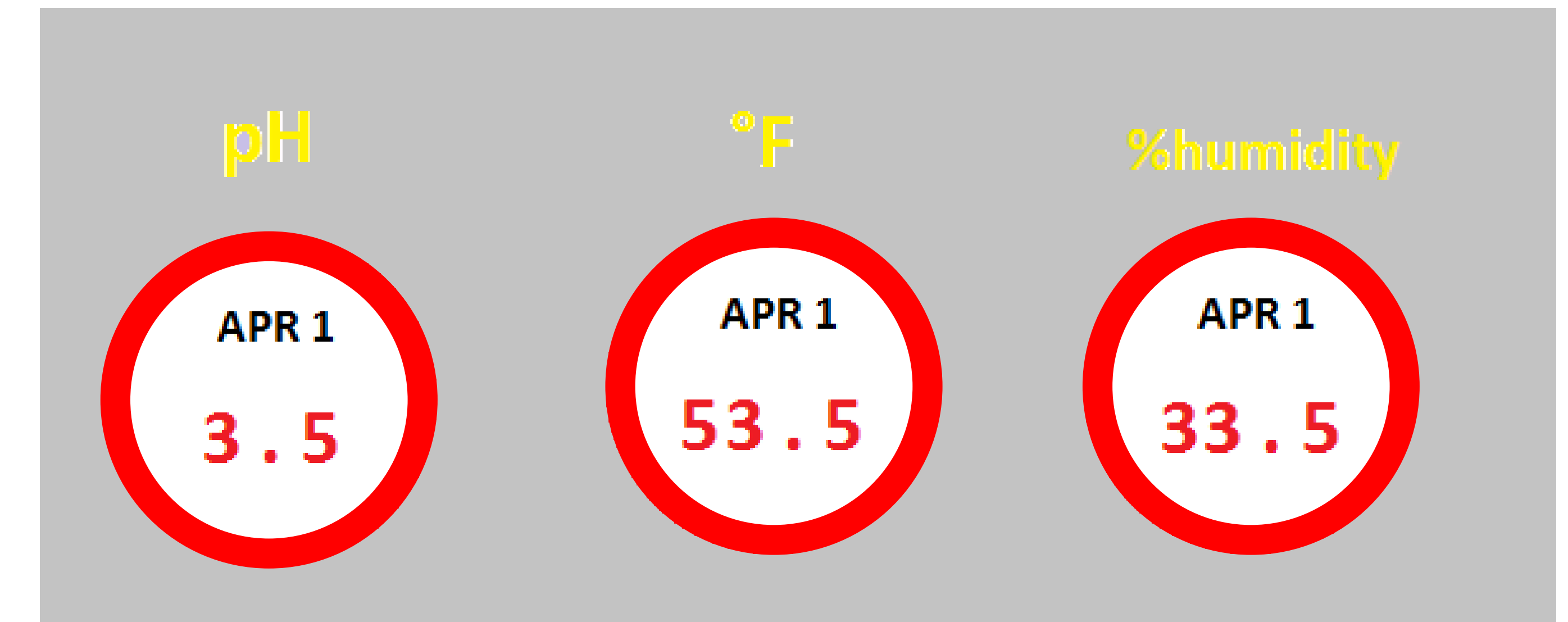
It offers valuable real-time insight into their planting practices and help the users to optimize their day-to-day care.

## App Interface

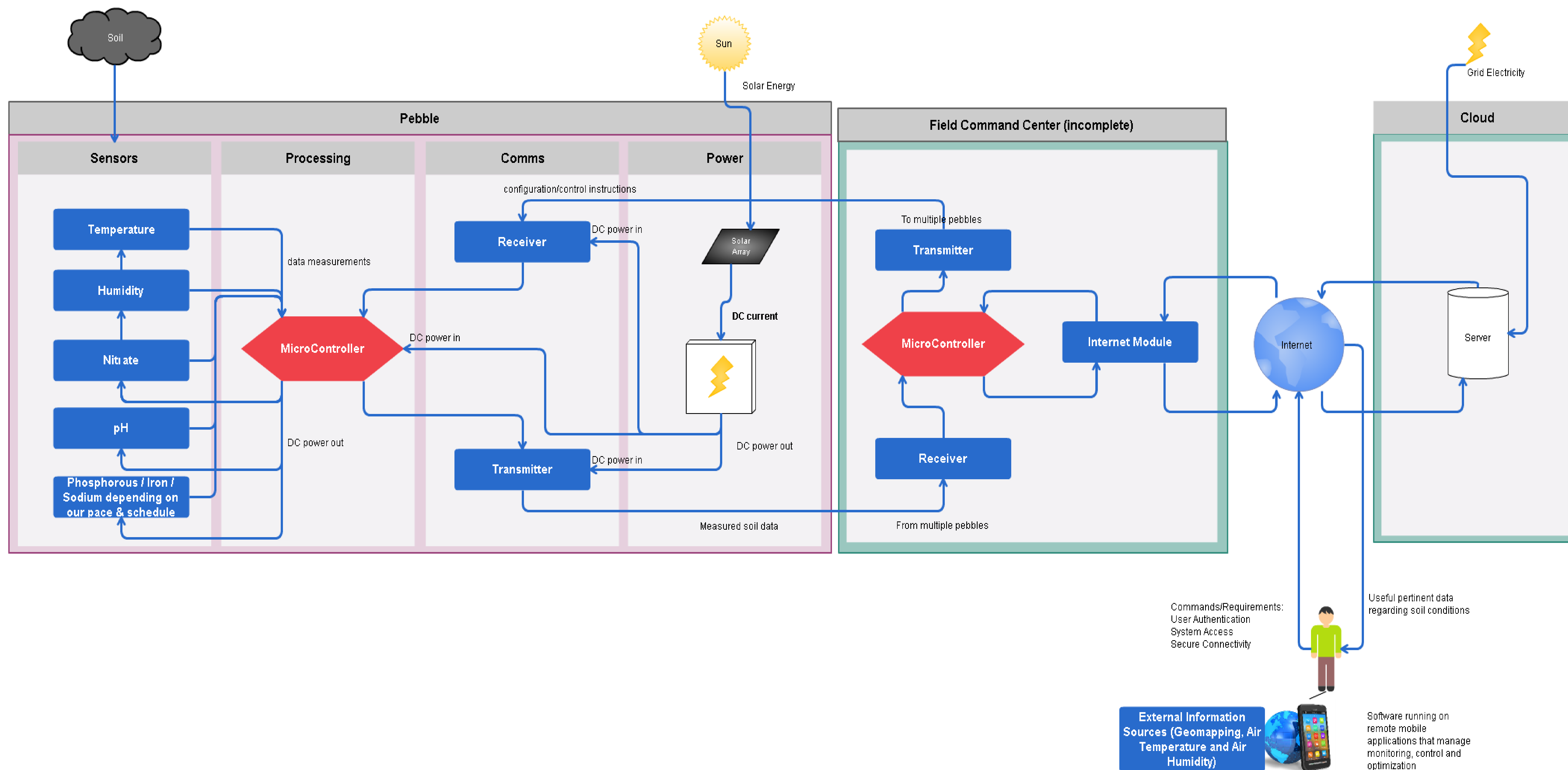


## Data Monitoring

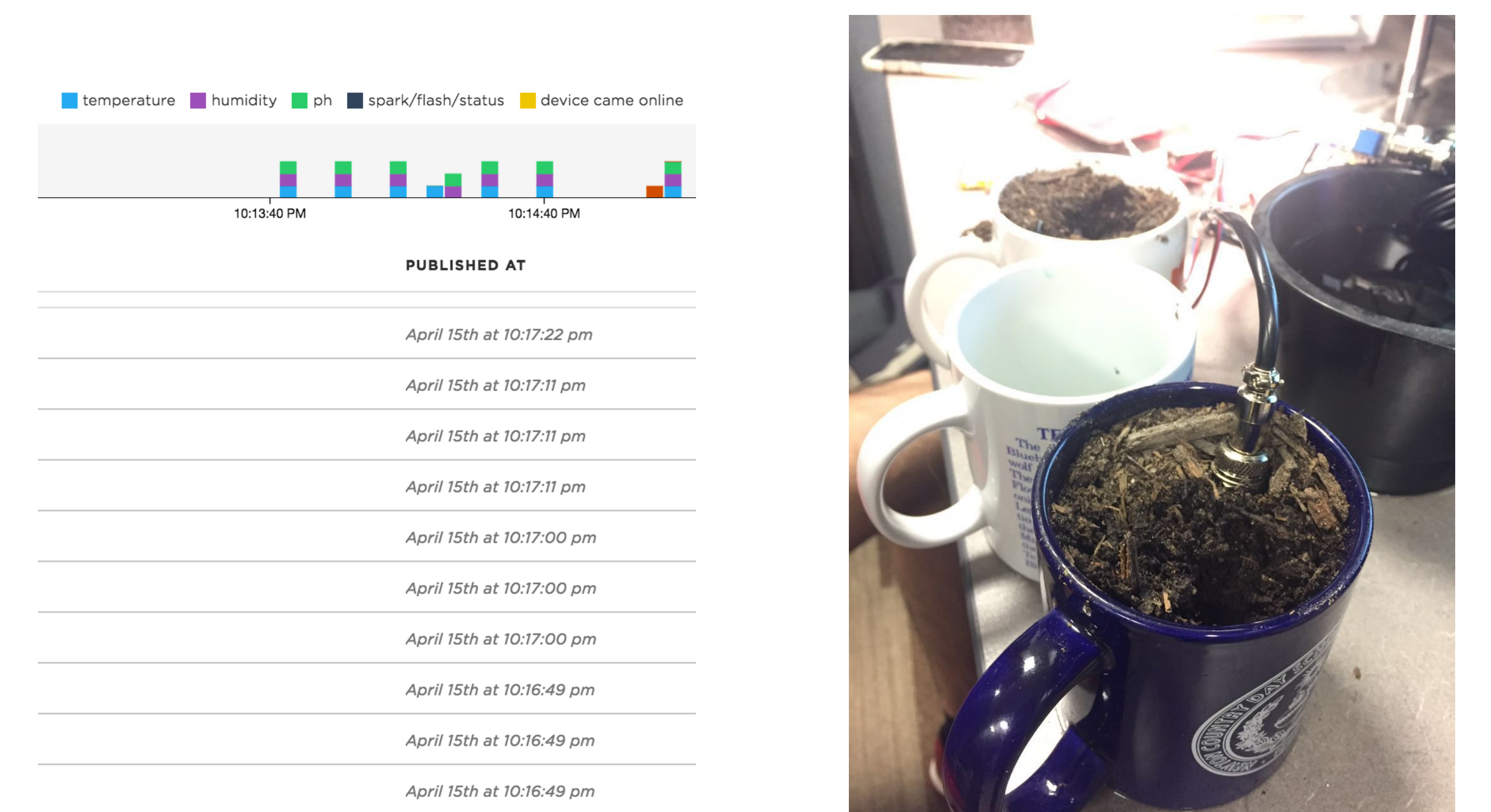
- Users are provided an interface to view the key information of the plant clearly



## System Diagram



## Real Deployment



## Future Work

- In the future, we planned to implement more sensors to receive nutrition information
- Also, with history data analytics in the server, artificial intelligence will be applied to suggest the best care plan for the plant
- Growing rare, exotic plants in your house/apartment has never been this easy.