



Hydroponic Solution  
VHS-100

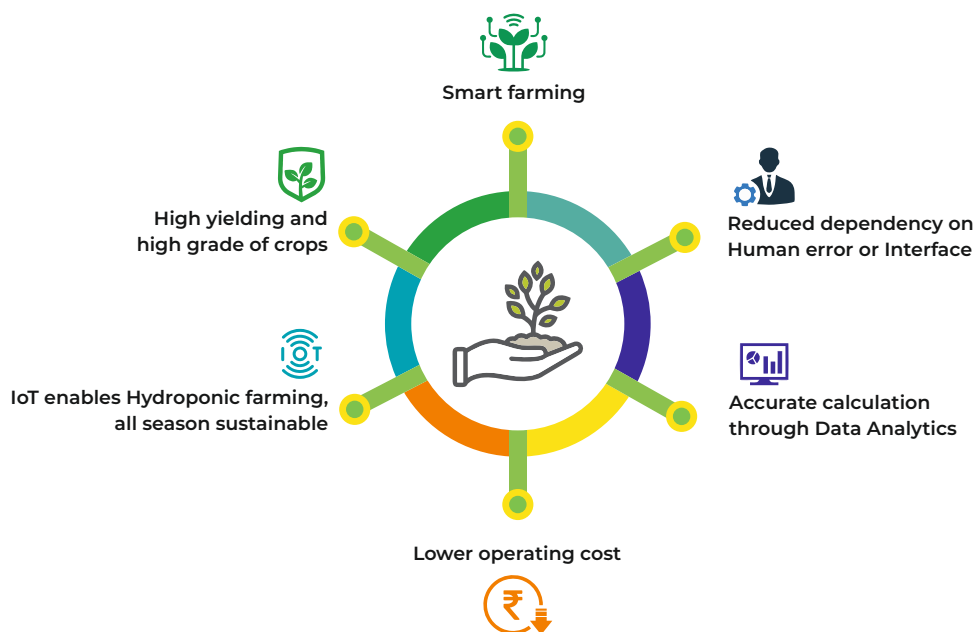
SMART  
HYDROPONIC  
FARMING SYSTEM



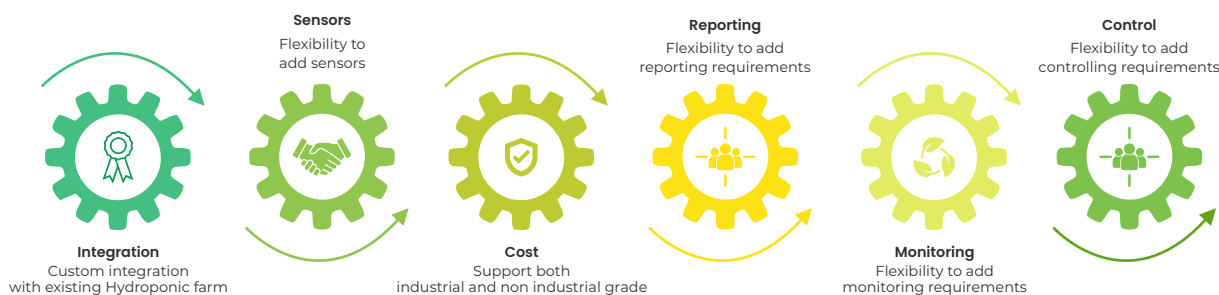
## WHO WE ARE

At **Vandyam**, we revolutionize farming by combining technology and agriculture to promote both sustainability and profitability. Our goal is to develop advanced technologies that optimize resource utilization, increase crop production, and maximize profit margins. With a team of skilled professionals in data science, engineering, software development as well as agriculture expertise, we work collaboratively to design customized solutions for each client's unique needs. Our specialization lies in creating IoT innovations designed specifically for hydroponic farming with the aim of transforming farms into more intelligent entities through smarter technology integration.

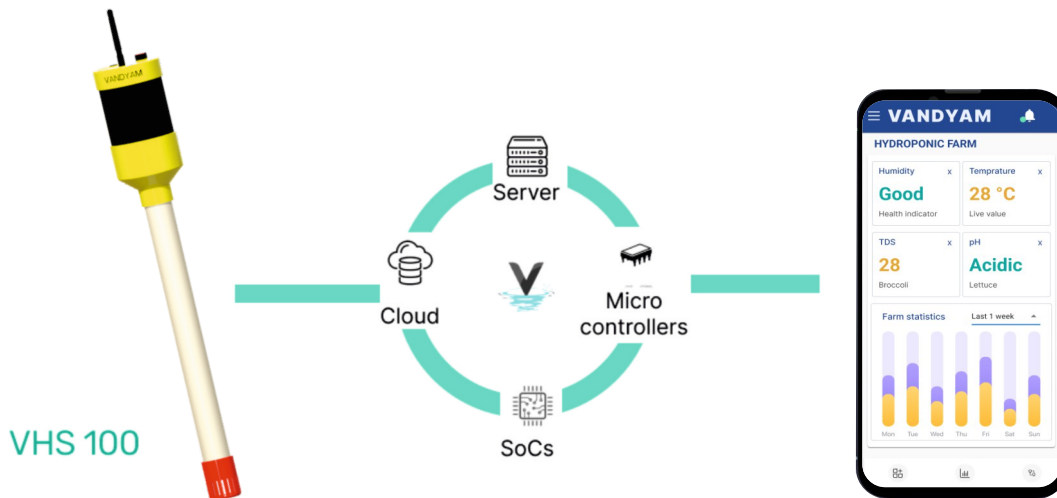
## BENEFITS OF IoT IN HYDROPONIC FARMING



## CUSTOMISED SOLUTIONS



## SMART FARMING WITH VHS-100



## FEATURES

### Monitor Your Crops Anytime, Anywhere...

#### MONITOR

Real Time data collection  
pH, TDS, Ambient temperature and Humidity

#### CONTROL

Alerts (sound, mail & message), Auto Dosing  
& Fogger Control. Humidity & Temperature Control

#### REPORT

Visual representation of Historical data

#### MANAGEMENT

Device Management  
Asset Tracking\*

\*Future Product

## HOW VHS-100 WORKS

The VHS-100 system employs hydroponic farm data to oversee and regulate the optimal growth settings and resource necessities of hydroponics systems. It oversees dosing pumps, foggers, fans, and other safety measures while alerting farmers to make informed choices. The climate conditions such as temperature and humidity are monitored by VHS-100 along with water factors like pH levels, TDS, EC values, and water temperature so that high yields can be attained without compromising environmental sustainability requirements.

### DOSING SYSTEM

The VHS-100 Dosing system consistently verifies and dispenses nutrients to the crops, guaranteeing that their nourishment needs are accurately fulfilled all through. Additionally, it supervises water parameters like pH, TDS, EC & temperature of water aiding farmers in accomplishing increased yields while simultaneously upholding our eco-friendly demands.

### MONITORING & CONTROLLING

The VHS-100 offers personalized weather monitors for each individual farm, allowing farmers to effectively regulate temperature and humidity in order to meet the specific demands of their hydroponic farming operation.



## Innovation & Solution for Future

Temperature



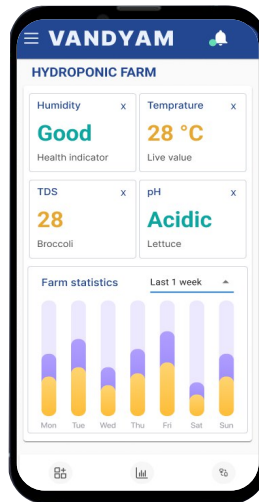
Water pH



Humidity



TDS Level



Foggers



Dosing Pump



Water EC



Custom Control



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