

## PAIN AREAS IN AQUA CULTURE

- The sensitive nature of the animals / plant life in the ponds makes them susceptible to even minor changes in the environment.
- Variability in external parameters cause a reduction in quantity and quality of the yield.
- Such changes in environment affects the quality (growth) of the animals, thereby decreasing their salability and or value.
- An infection in one pond takes only a few hours to spread to the other ponds and may result in 100% fatality and a complete loss of harvest.
- Manual inspection and interpretation might not provide adequate time to take remedial action.
- The restoration of the pond after an infection is very expensive and long process, leading to delay in the next seeding cycle.

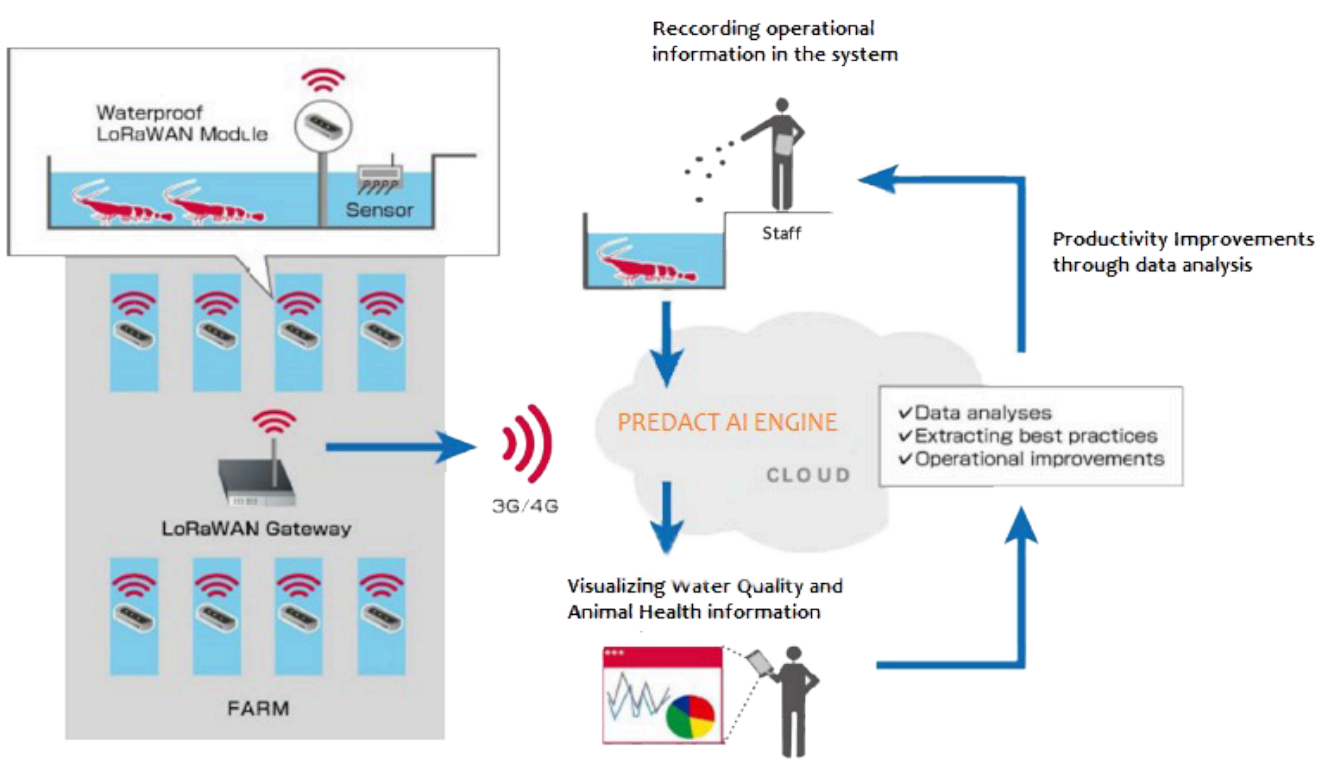
## OUR SOLUTION - PREDACT AQUA

AQUATIC LIFE HEALTH MONITORING AND DISEASE FORECASTING

PredAct AQUA is a Cost effective IoT devices and learning platform bundled solution, that monitors essential pond parameters in real-time. Instant alerts are sent to the users of any variations from the normal, with recommended action.

PredAct AQUA monitors the animal in the ponds and identifies characteristics that could trigger a disease onset or other catastrophies that could lead to decrease or loss of yield.

Instant notification and alerts provides a crucial window of time to take preventive or corrective measures.



## VALUE PROPOSITION

- Ensure higher yields and a better disease control mechanism.
- State of the art technology driven hyper intensive, intensive, extensive aqua culture
- Optimal output within the given constraint, maximizing profitability.
- AI based engine learns from your environment along with other similar installations to correlate parameters that were hereto not monitored to give you insights on maximizing output.
- Optional modules that allow remote control of Aerators, Feeders and other equipment in the pond.
- Plans to setup local hubs to ensure speedy and timely support / remedies.



## APPLICATION AREAS

- Aqua culture in extensive, intensive and hyper intensive aqua farms.
- Agriculture: Real time monitoring for high yield precision agriculture, and in hydropony
- Prawn, Fish, Algae and other Aquatic cultures

## CURRENT STATUS

- Successful meetings with Shrimp farmers in the West Godavri District of Andhra Pradesh, who are very excited by the solution and are willing to implement in their farms ranging from 3 to 20 hectares
- Device design, ML Algorithm and presentation layer development in progress.

