

#### MANAGING DIRECTOR MARINASOL

#### Allan Cooper

Allan is acting managing director of Marinasol, the aguaculture division of Camposol Foods Group, Peru's No. 1 shrimp producer. For the past seven years, he has led business units in both the aquaculture and agro-industrial sectors. Before being appointed to Marinasol, he was business development director for Camposol in the U.S. and business unit director for avocados in Peru. Camposol is one of the world's leading avocado producers.





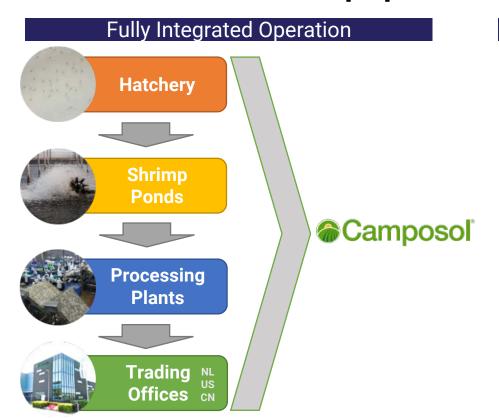


# Sustainable and Consistent: Intensive Shrimp Farming in Peru

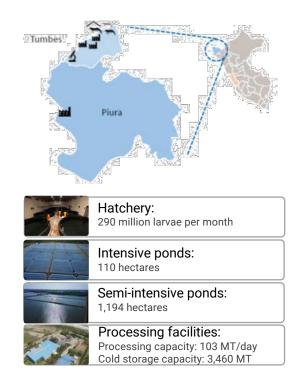
The Marinasol Intensive Shrimp Model



### Marinasol is a vertically integrated Peruvian shrimp producer and exporter

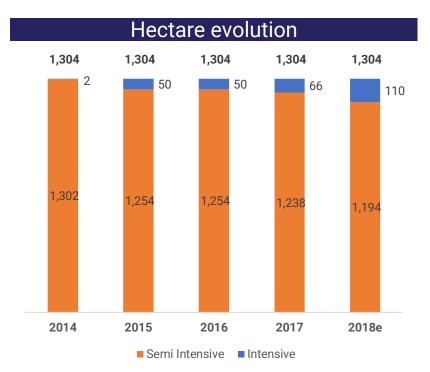


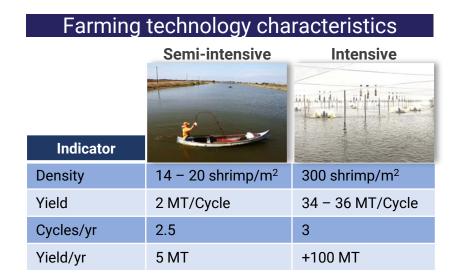
#### Location and main infrastructure





### We have been converting traditional farms to intensive farming technology





10x more investment for 20x more production

#### Intensive farms are not only more productive but more consistent and efficient Intensive Intensive Days to 20g 85 days Intensive Intensive Intensive + - 8°C 95 days Weight Labor Land Usage Increase: 13,500 emi Intensiv 105 MT/Ha 1.8g/Week Kg/worker 1,250 5 MT/Ha 1.4g Kg/worker Semi Intensive

## We have had to learn new techniques and adapt theoretical know-how to our reality









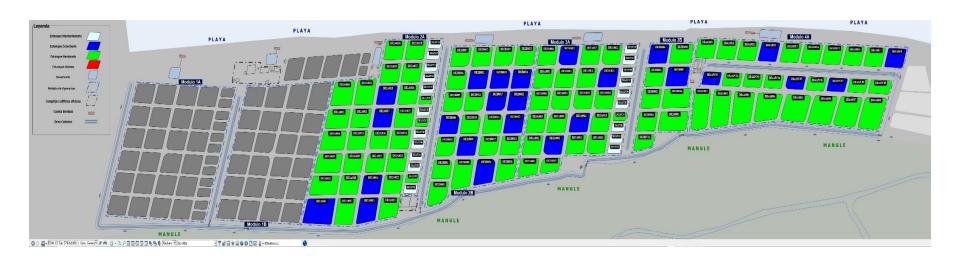




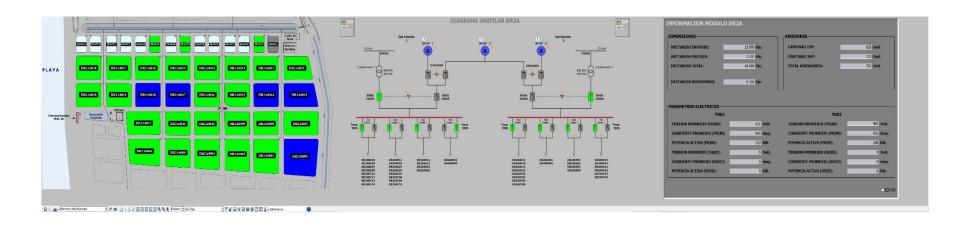
### Management control systems are key in order to scale our model efficiently

Action	Planning Management	Pond Management	Farming Management
Leadership	Preparation and seeding KPI weekly review	Pond Achievements KPI weekly review	Hectare achievements KPI weekly review (managing level)
Improvement Discipline	Planning versus results Time for pond preparation	KPI comparison versus BU and LY	KPI comparison versus BU and LY
Sustainability Discipline	Weekly planning meeting 5 min Daily preparation meeting	Daily pond meeting	Once a week management meeting
Alignment & Motivation	<ul> <li>Accountable designation and incentive definition</li> <li>Activity based organization</li> </ul>	<ul><li>Accountable: Supervisors</li><li>Incentive program for achieving critical KPIs</li></ul>	<ul> <li>Accountable: Farm chief</li> <li>Incentive program for achieving critical KPIs</li> </ul>
Operational Discipline	Cleaning, maintenance, disinfection and seeding protocols	Pond management protocol (feeding, quality parameters, etc.)	Sampling and pond management protocols
Operational Strategy	KPIs are revised on boards at the meeting	KPIs generate actions Quality process KPI	Sampling and pond to module KPIs

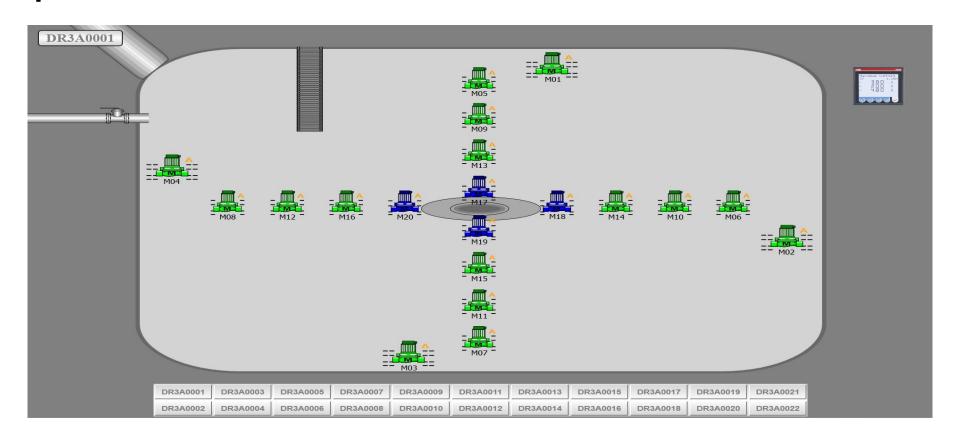
#### Automatization is a **MUST** to control power and aeration from our OCC



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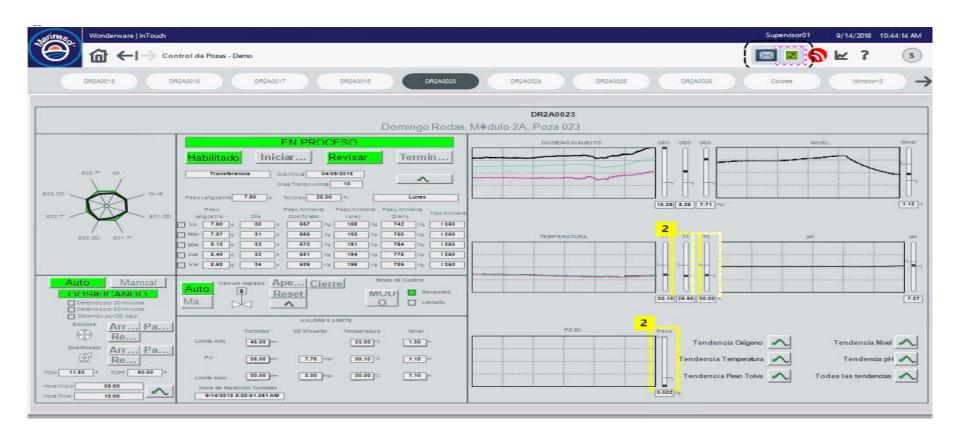
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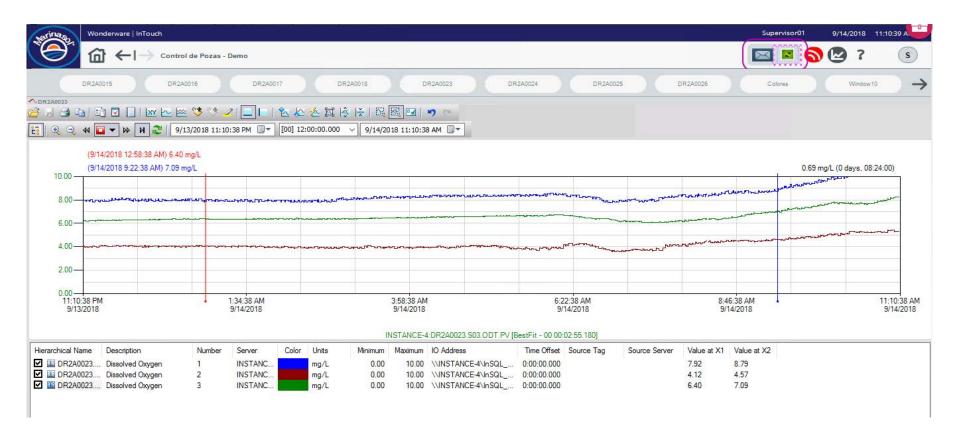
#### And also to control our key production variables



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## This is just the beginning...the journey has just started...







**Expand Intensive Shrimp Farming in Peru and Internationally** 



#### Thank you!



