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# ORLAR SCALING WITH IMPACT

ADB 14<sup>th</sup> April 2025



# **ORLAR TODAY**

Orlar is recognized as a leader in cultivating temperate crops in lowland areas with hostile climate. This includes varieties of temperate lettuce typically grown in regions like Dalat.

Success has been demonstrated in the Mekong Delta, supported by a major feasibility study using real data from the first Climate-Adaptive Farm located in Long An (Mekong Delta).

Q:How do we define our success?





## **TECHNOLOGY DRIVES SOLUTIONS**

Orlar tech overcomes major constraints - land, climate, water, energy



### Attributes of each Elevation

- High land cost
- Small plot sizes = inefficient scalability
- High transportation costs
- Biodiversity and landscape desecration due to unsustainable intensification
- Net Zero Emissions from production
- Up to 97% Lower land cost compared to Dalat
- Larger plot sizes offer scalability
- Lower transportation costs
- Net Zero Emissions from production
- Lowest land cost, large plots for optimal scaling
- Low transport costs, closer to market
- Direct port access for low-cost export to S.E.A.
- Typical CEA requires 100x energy of Orlar tech
- Water conservation for imperilled communities
- Facilitate sustainable production of solar energy
- Facilitate biodiversity restoration
- Net Zero Emissions from production



## **CLIMATE ADAPTIVE FARM OPERATION CONTROL**

The Orlar Dashboard "Global Operator Control"





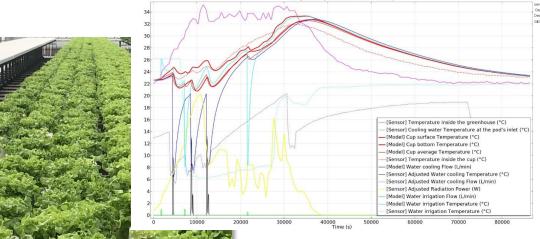


# **SCALING FOR PROFIT AND IMPACT**

Energy Model > Financial Model > Spatial Impact Model = Sustainable Crop Production



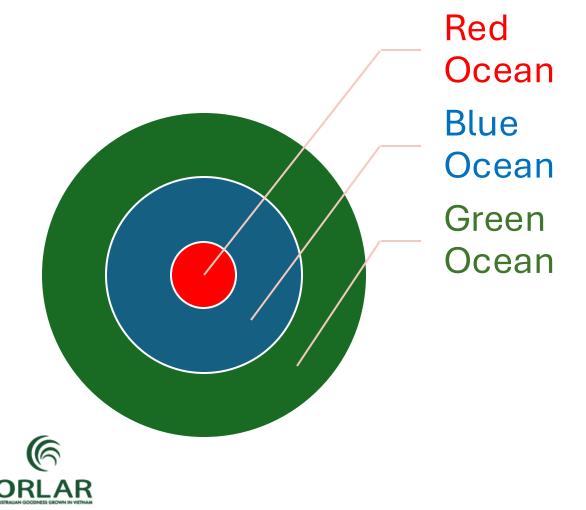
assumes zero carbon credits traded on the voluntary market
Local Partner 'Sanitia' offtake at farm gate 25%
Reduction of Packaging & Distribution expense by 100% Reduction of Sales & Marketing expense by 50%





## AREAS ORLAR CAN OPERATE

(Conceptual)



#### **Red Ocean**

- Competition Zone: Suitable climates already exist for operations
- **Geographical Constraints:** Limited areas like Highlands (e.g. Dalat, Cameron, Genting)
- Cost Challenges: High costs for land and transport

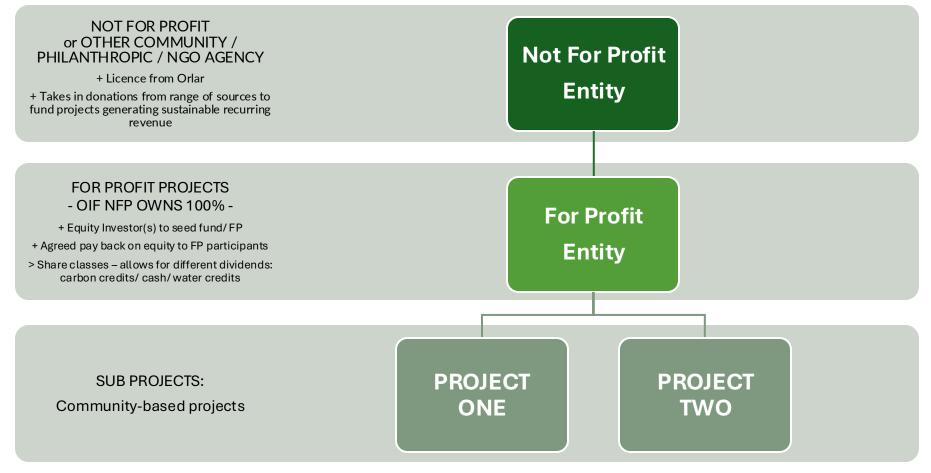
#### **Blue Ocean**

- Exclusive Territory: Areas where only Orlar can operate efficiently
- **Scalable Model:** Large investors or project owners can invest and buy licenses and provide land and management
- Financial Simplicity: Finance is straightforward with equity contributions
- Medium Impact: Low risk with positive returns in new, techunlocked markets
- Profit Dynamics: Financial benefits flow to the equity holder

## **Green Ocean**

- Innovation Catalyst: New technology will not go there normally shareholders of technology companies are not patient or will not accept risk
- Highest impact: generated and enabled
- Financial Support: Development grants and debt opportunities, minimal equity available
- Management Limitations: Insufficient capacity HOWEVER, through enabled and generated impact - new forms of assets that can be monetized for use as equity if creative

# PROPOSED STRUCTURE























**RIJK ZWAAN** 























FOUNDATION







