



**KOMODO WATER**

*Air Sehat, Kita Kuat*

**Since 2012, Komodo Water as  
part of Tinamitra Mandiri Group  
focusing on sustainable  
development for better life**

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## Vision

Become a leading provider of **clean energy** and major player in utilisation of alternative energy resources as well as pioneer for **sustainable community development** projects.

## Mission

**Ecocities/villages initiatives** based on people-centered planning and development

Develop **sustainable products** from local resources

**Energy conversion** from fossil-based into a cleaner and less emission alternatives

Promotion of **sustainable community development** by utilities of information technology and fair trade practices

# Indonesia

## Fascinating facts

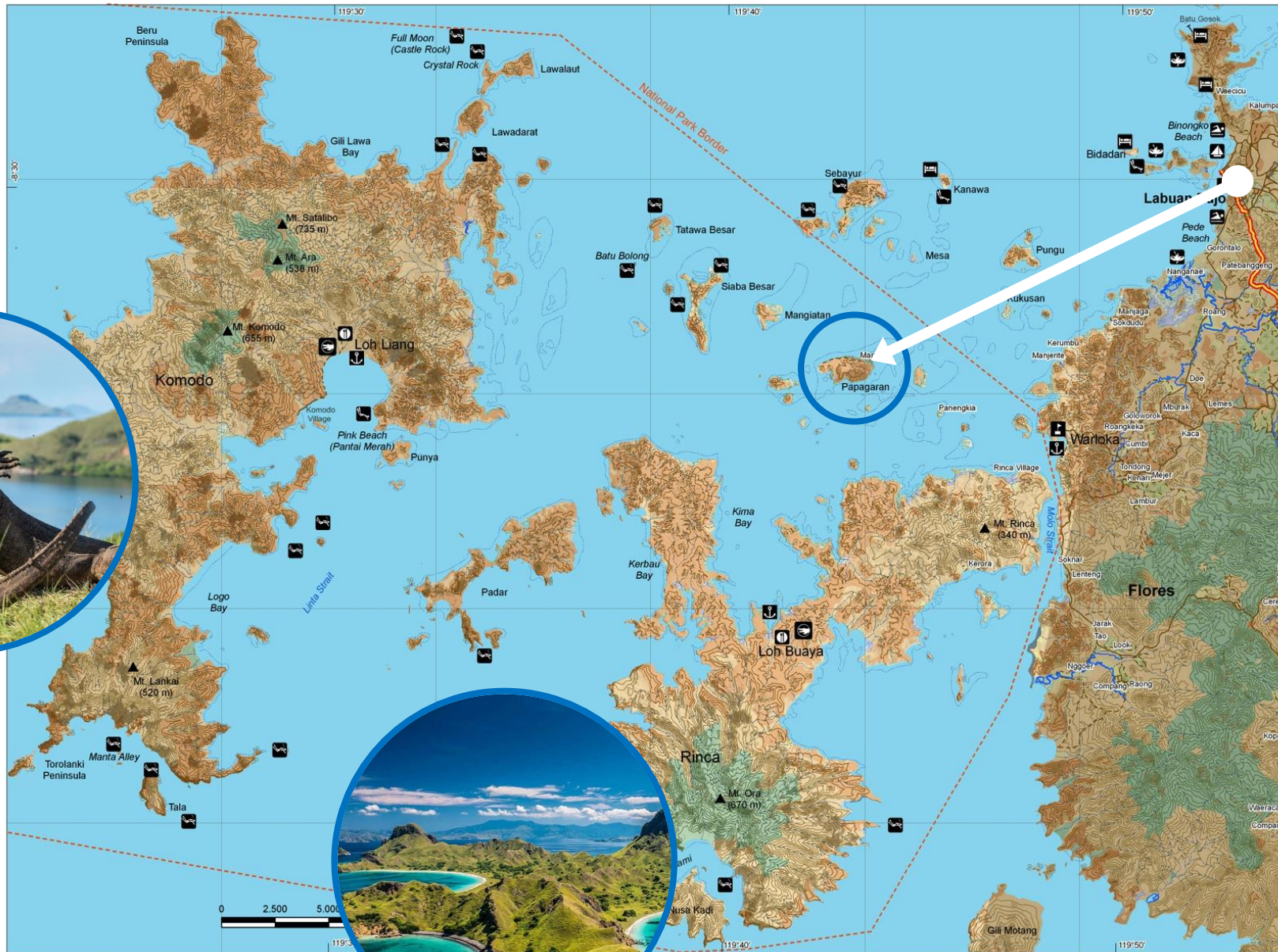


**4<sup>th</sup>** largest population country in the world

**17.500** island

**100.000 km** coast island

**5.000 km** east to west



# Project

Clean drinking water and ice blocks in Papagarang Island

No Fresh Water  
No Electricity

Average family spend  
20% of monthly  
income for water supply

*Equal to 600USD per year for  
water (while local standard  
income only 3.000 USD per year)*

Plastic packs  
polluted the ocean  
water every day



**We provide fresh water products for isolated islands communities using clean energy**



# Our Impact

Tackling the ice and plastic waste problem

## Value Creation

- + 0.35 USD/kg fish (705 kg of fish per family per year)
- Save 50% of water spending (300 USD/year)



550 USD added value per year for each family, resulting in more than 200 thousands USD for each location



Reduce fossil fuel consumption at each location by 22.5 tons annually



Reduce 300,000 plastic packs consumption at each location annually



# How We Work

We deliver end to end sustainable water solution



Feasibility study,  
Water and  
hydrogeological  
analysis

Construction,  
Installation,  
and  
Commissioning

Financing  
option

Operation &  
maintenance,  
Capacity building



# Water Solution

We produce clean drinking water using clean technology



100%  
Solar Powered.  
No fuel needed



No greenhouse  
emissions



Lowest power  
consumptions for  
Reverse Osmosis  
technologies



Lowest OPEX in the  
market

## Existing technology



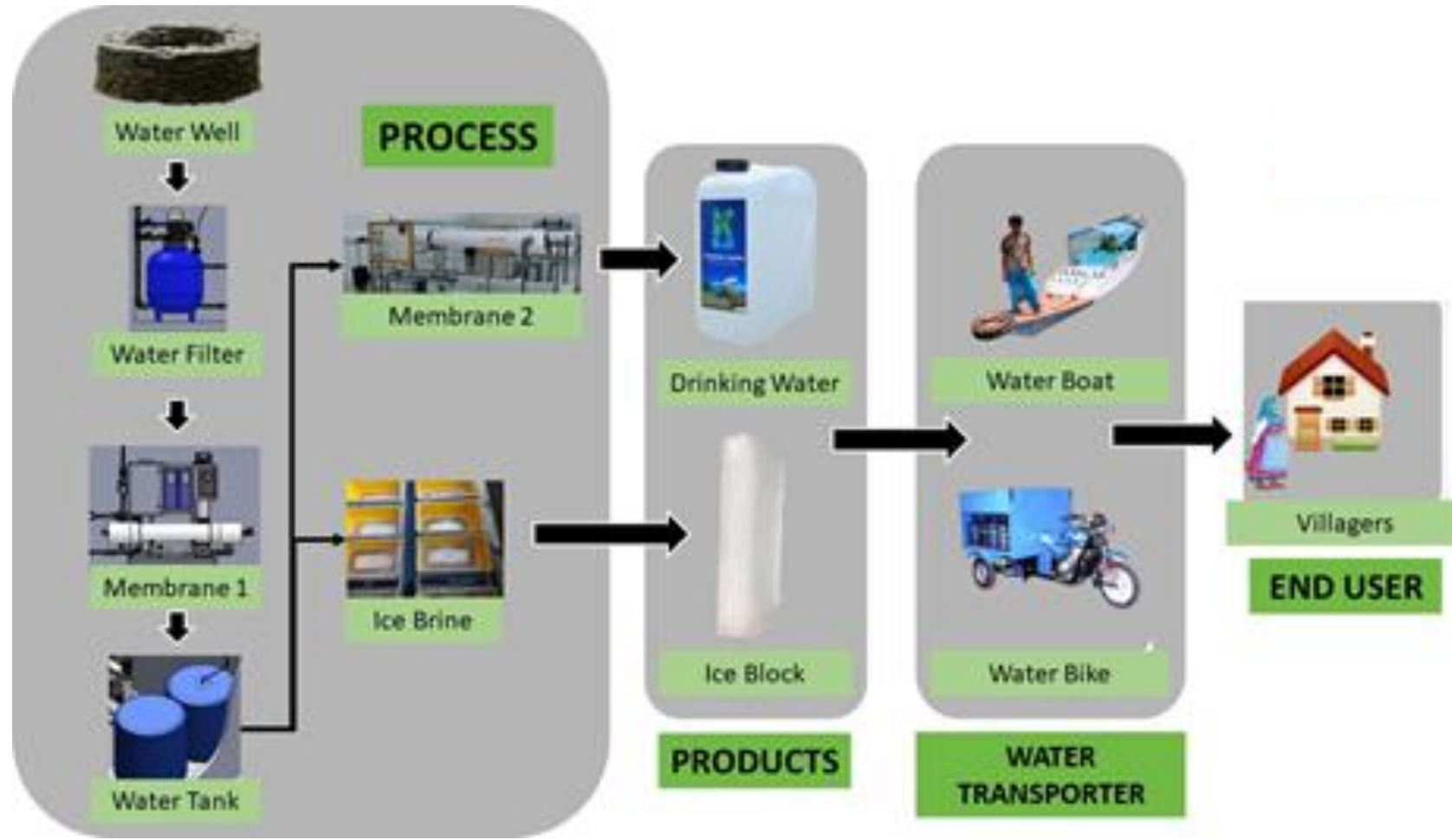
- Diesel powered
- Inefficient power source
- Synthetic refrigerant
- Inefficient use of energy
- Plastic packaging
- Scarce supply

## Efficient solar ice maker technology



- ✓ Free plastic packaging
- ✓ Longer cooling period
- ✓ 100% GHG emission free
- ✓ Better performance with no main battery system

# What We Do



# Achievements



First Runner Up at  
ReSource Award 2019



Runner Up for  
Ideas4Action 2019



Finalist for SEED Low  
Carbon Award 2019



# The Winning Team



**Shana Fatina**  
CEO

Industrial Engineering – Institut Teknologi Bandung

9 years in renewable energy Industry

Social Entrepreneur of the Year, Community Award 2017 by Ernst and Young

Citizen 4.0 under 40 for contribution to society and humanity by MarkPlus, Inc

CEO of Tinamitra Nusantara Mandiri



**Atiek Puspa Fadhilah**  
CFO

Industrial Engineering - Institut Teknologi Bandung

8 years in renewable energy Industry

Renewables and Rural Electrification Advisor at GIZ GmbH



**Prana Kesuma Suseno**  
Jr. Project Lead

Meteorology Bachelor – Institut Teknologi Bandung

PT Freeport Indonesia, Civil Geotech and Regional Hydrology Trainee

Quality, Environment, Safety and Health ISO Certified



**Abdul Haris M.P**  
Marketing and Community Engagement Coordinator

Tourism Business Management – Sekolah Tinggi Pariwisata Bandung

2 years in community Development

Pemuda Lintas Agama Manggarai Barat

Danone Circular Tour Leaders

World Clean Up Day Labuan Bajo Coordinator

# What's next?

2020

Identified 6 ready to replicate new sites

Hiring for community engagement team

Monitor & evaluate business performance

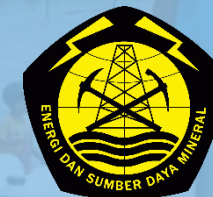
2021

Construction at 5 new sites

Remote monitoring system

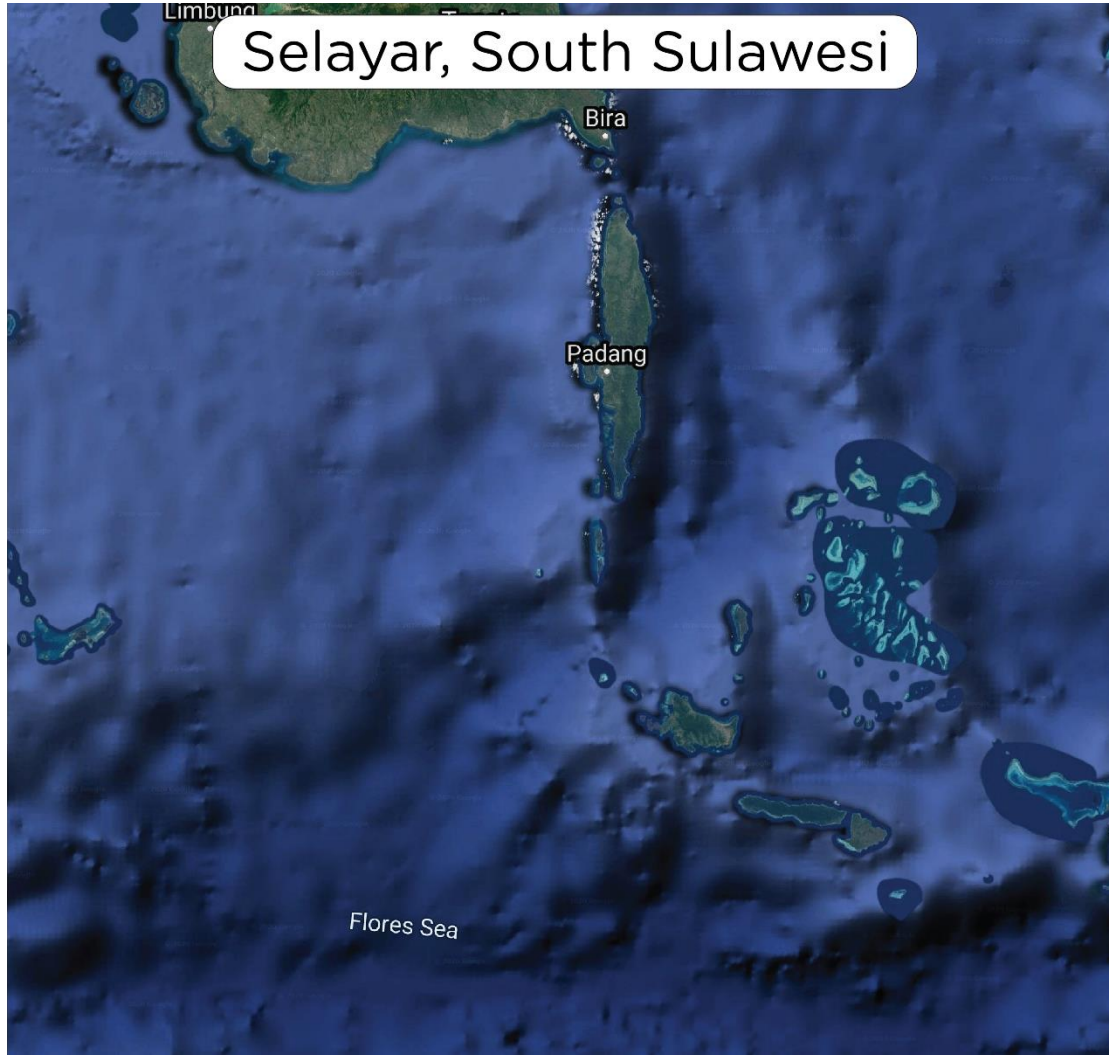
2022-  
2023

Cooperate with relevant ministries for additional 10 sites



# What's next?

We expected to pre-identified another coastal village to provide clean drinking water

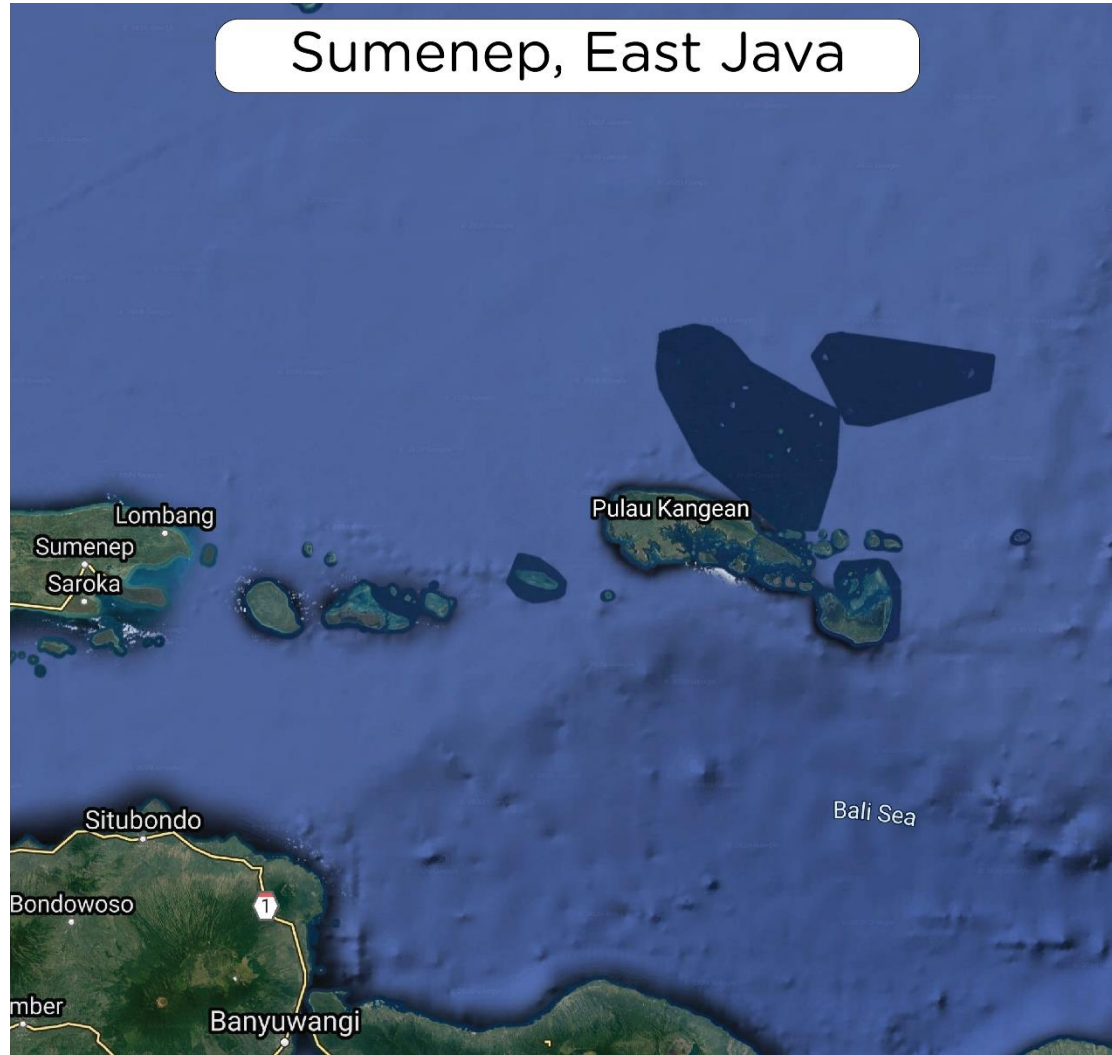


Village	Subdistrict	Island	Family
Rajuni	Taka Bonerate	Rajuni	405
Tarupa	Taka Bonerate	Tarupa	277
Latondu	Taka Bonerate	Latondu	296
Pasitallu	Taka Bonerate	Pasitallu	141



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Village	Subdistrict	Island	Family
Sakala	Sapeken	Sakala	706
Tanjung Kiaiok	Sapeken	Trunggu	1021
Gayam	Gayam	Sapudi	1512
Nonggunong	Nonggunong	Sapudi	522
Sonok	Nonggunong	Sapudi	1319

# Grow together with us!



Market education and  
health hygiene campaign

Human resource &  
management capacity  
building



Feasibility study for  
market expansion

Install solar ice  
maker machine

 Save our  
ocean,  
Empower  
people

Thank You

[www.komodowater.org](http://www.komodowater.org)

Email us for inquiry:  
[waterkomodo@gmail.com](mailto:waterkomodo@gmail.com)

