



ENERGY
INVESTMENT
MANAGEMENT

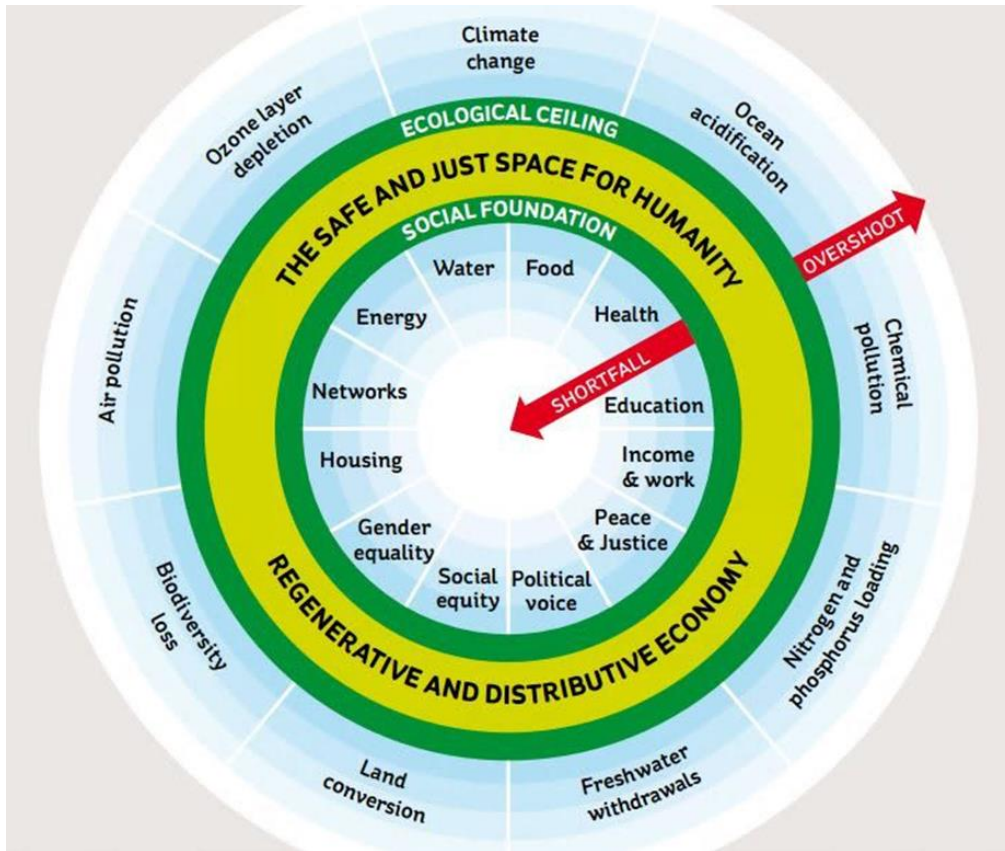
ISLANDS & REMOTE MICROGRIDS

Content

- Introduction
- Sustainable Transition
- Sustainable Energy Islands
- Island Energy Systems
- Sustainable Benefits Cases
- Success stories
- Q & A

Global Sustainability Transition

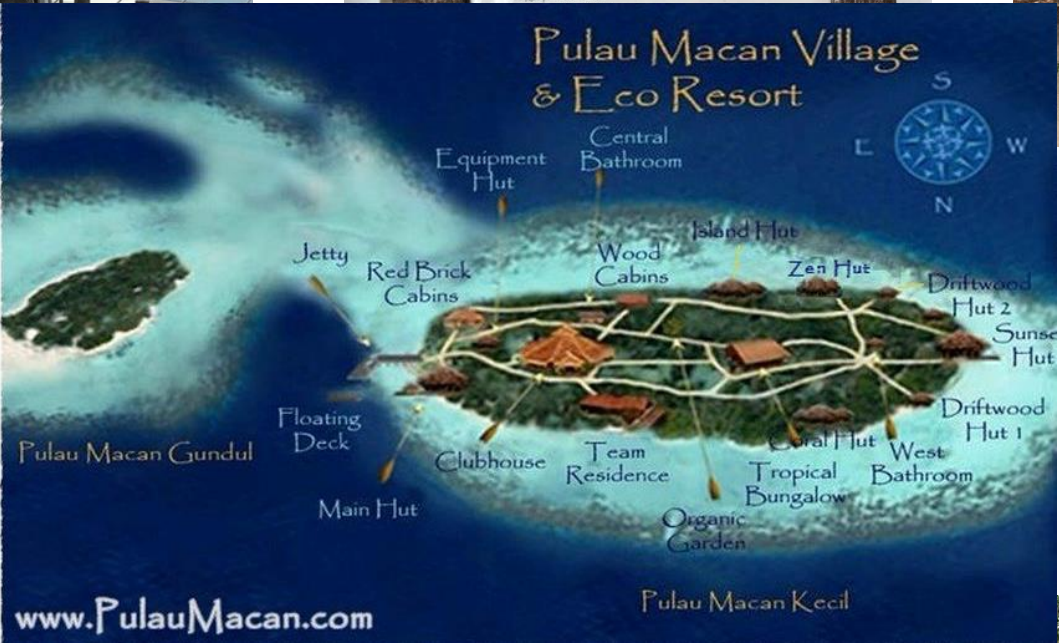
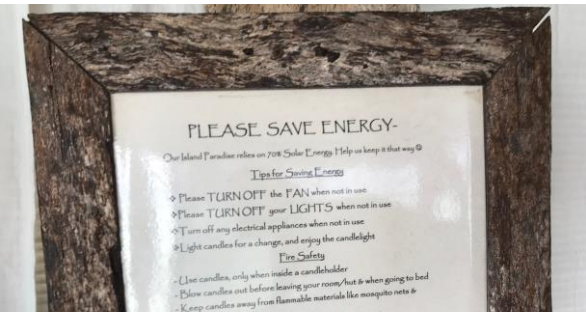
Planetary Boundaries



Sustainable Jakarta ...



Sustainable Island Pulau Macan ...



Sustainable Islands Program



Clean Energy
for EU Islands



Site Visits
Sustainable
Islands

Research
SBM ITB

Sustainable Islands

Research
TU-Delft

EU SEW

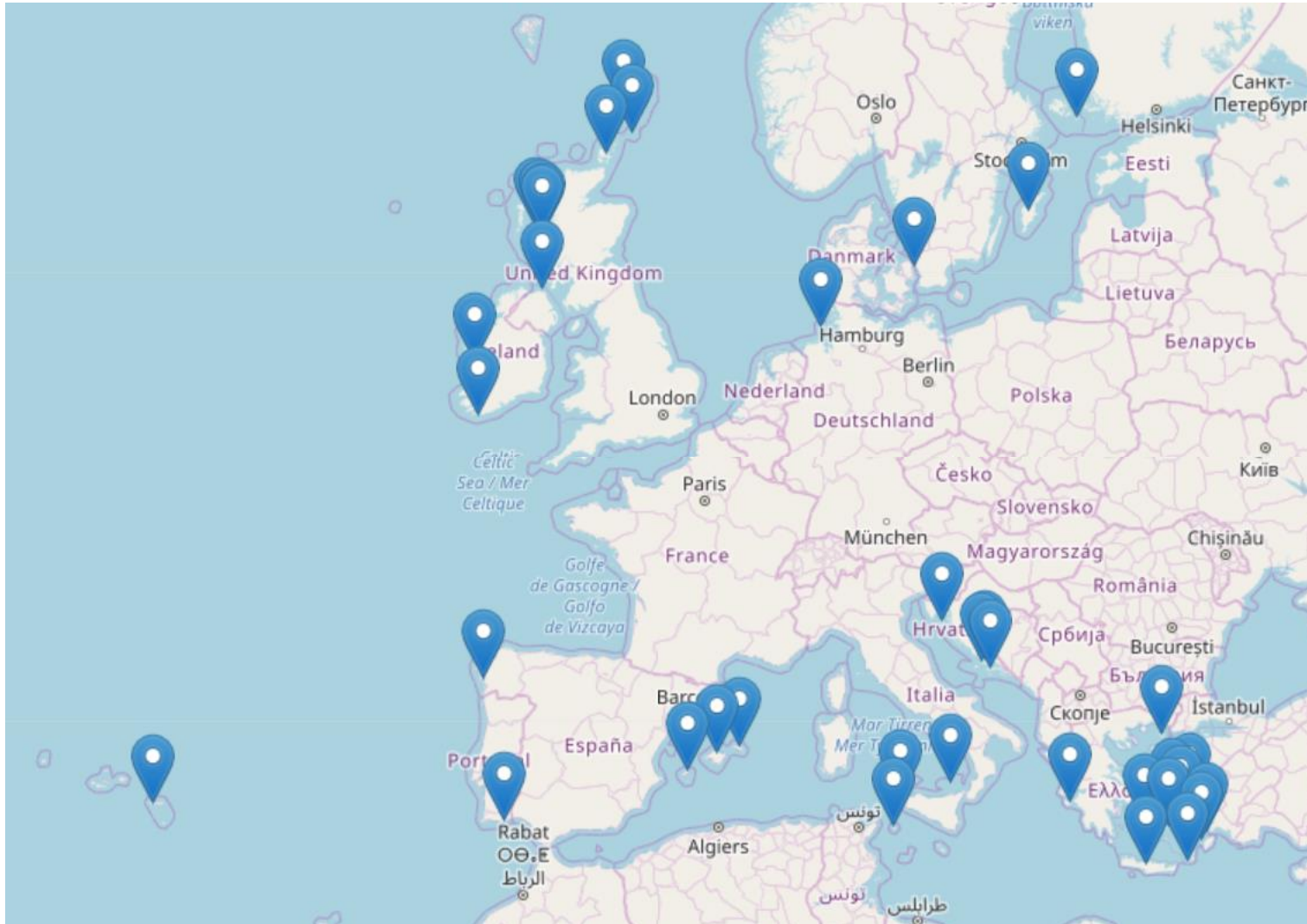
Cooperation
Delft – Athens –
Jakarta

Enlit
Asia

Multi Media
Sustainable
Islands



Clean Energy for EU Islands



ISLANDS TRANSITION HANDBOOK

HOW TO DEVELOP YOUR ISLAND'S
CLEAN ENERGY TRANSITION AGENDA

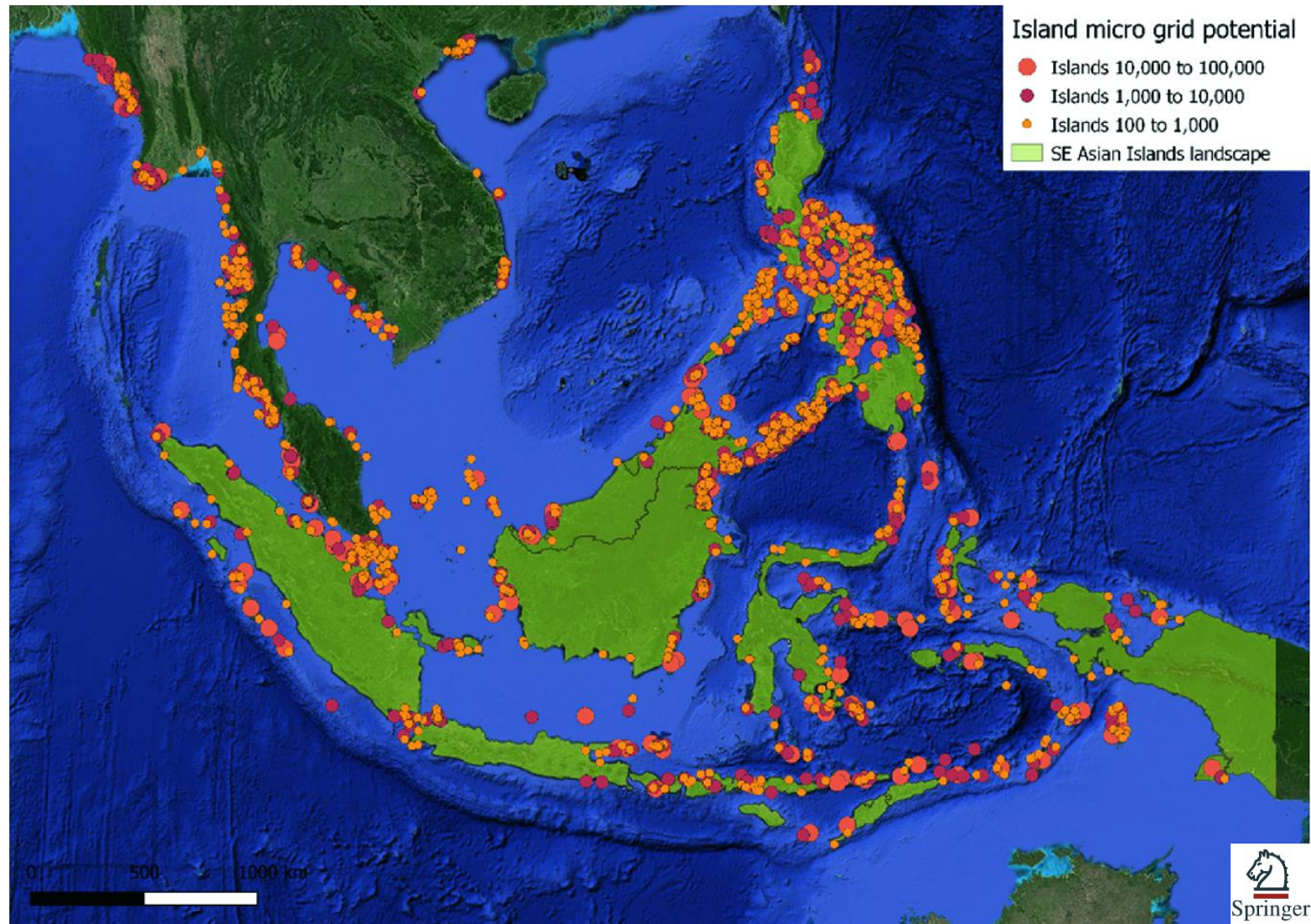


Aran Islands (Ireland)



Sifnos (Greece)

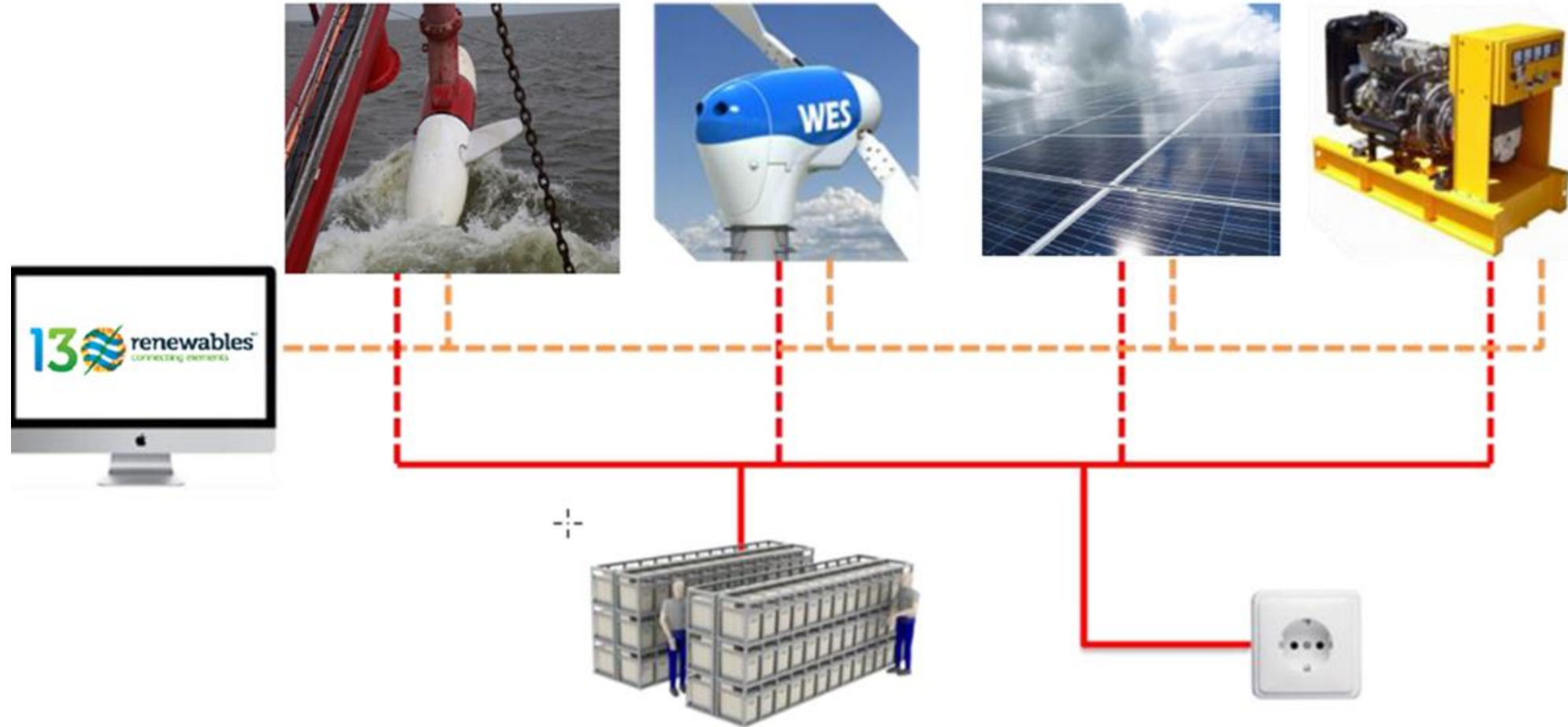
Microgrid potential South-East Asia



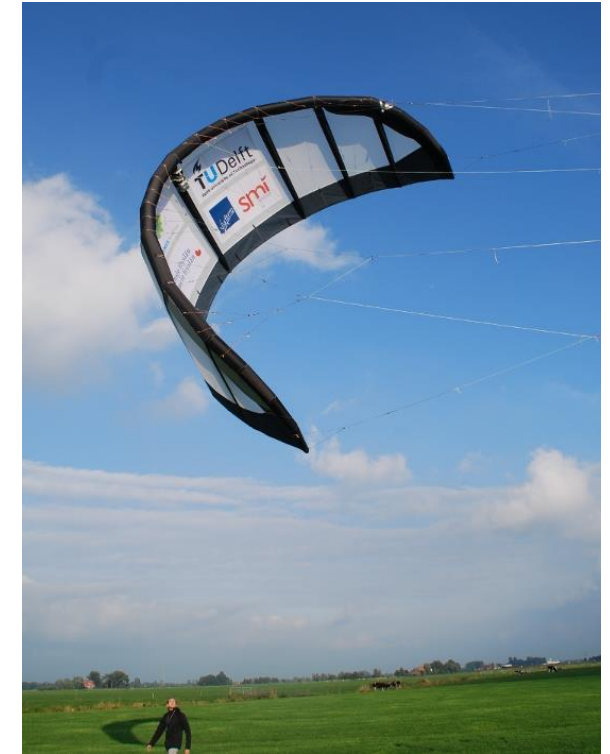
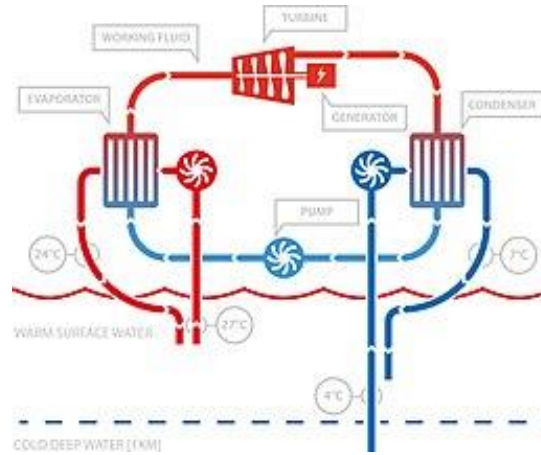
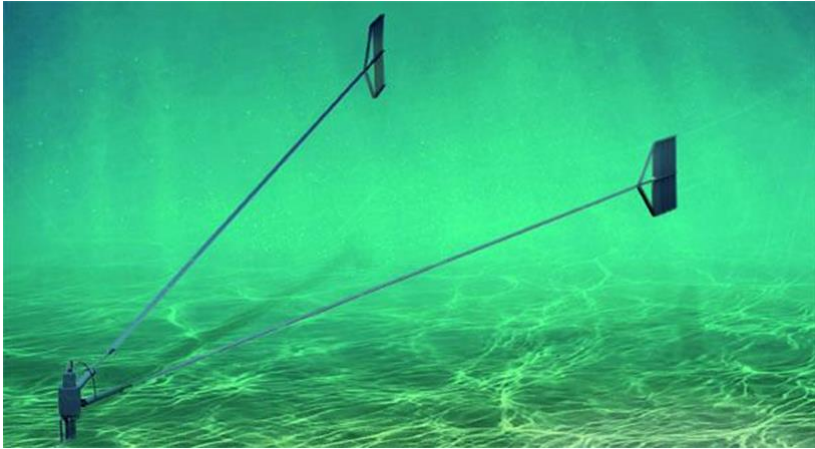
Island Energy Systems



Island Energy Systems



Innovations



electricity
storage

Sustainable benefits cases

- Costs
- Environmental considerations
- Abundant local resources



Success story Isle of Eigg (1/3)

Hydro 110 kW

Wind 24 kW

Solar 50 kW

Battery 60 kW

Diesel generators 130 kW

Smart grid 11 km



Success story Tilos Island (2/3)

Wind 800 kW

Solar 400 kW

Battery 2,4 MWh

Inhabitants 500



Technology Innovation for the Local Scale
Optimum Integration of Battery Energy Storage

Success story Sabang, Palawan (3/3)

Solar 1.4 MWp

Battery 2.3 MWh

Diesel generators 1.2 MW

Smart grid 14 km

Supply 650 off-takers



Participants panel discussion – 29 September 2020

Moderator: Leon Pulles

- Nikos Hatziargyriou (National Technical University of Athens)
- Hans van Breugel (WES)
- Atem S. Ramsundersingh (WEnergy Global)
- Simon de Clercq (Clean Energy for EU Islands)
- Yunizar Natanael Pragistio (Indonesian Energy Transition Network)



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