

# What is off-shore solar?

- Solar farms on megafloats
- Minimal off-shore solar
  - Youtube video coming soon
- Large off-shore solar
  - I'm working on this

# Why offshore solar

- Technology for the 22st Century
  - Towards Type 1.1 Civilization (Kardashev scale)
- Solves most of the environment problem
  - The most tremendous renewable energy

# Why offshore solar: my personal motivation

- My philosophy towards life
  - My identity is “A life on the Earth”
  - I’m interested in the future and the survival of the life on the Earth
  - Life needs energy
  - We (the life on the Earth) need to leave the Earth and the solar system someday
    - Before the sun burns out
  - Most of the energy in the Universe is in the stellar and radiated as electromagnetic wave
  - Technology for capturing the wave from stellar objects is the most fundamental technology for the life (imagine the plants)
  - So far we live on the Earth and most of the Earth’s surface is the ocean
  - We need technology to capture them

# Why offshore solar: my personal motivation

- My philosophy towards Society
  - I like Habermas's and Arendt's theory
  - If the region of "need" is not satisfied, we end up losing the dialogs in the society
  - How to satisfy the region of "need"? -> We mostly need energy

# Why offshore solar? – Comparison with other renewables

- Other renewables only works on the Earth
- Solar works in the space
  - Still grow during the space development era
  - Worth foresting as an industry

# Why offshore solar: other positive side effects

- New habitable region
- Sea cities
- Not just power generation, new frontier for human habitable zone
- Off-shore solar is part of “Stellar irradiance capture technology”
  - The technology to deploy and maintain solar panels are still useful for the space development era – never be obsolete in next centuries

# Why me?

- I have some knowledge about electrical circuits and basic engineering (shown in the minimal model)
- Also came up with some naturalistic philosophy of life, which tells me to develop the energy capture technology from the stellar objects
- I happened to be alive in the 21<sup>st</sup> century this time

# How can I do that?

- Scale up development model
- Now the size of the solar panel is 0.01 sq.m (10cm x 10cm)
- Just gradually scale up the size



# Why I applied here?

- I don't have much knowledge on mega float building or ship building

# My question

- Is it technically possible?
  - Are megafloats feasible in the outer ocean?
    - I'm really not sure about this.
    - At least they are safe in inner oceans (south awaji megafloat)
    - If yes in outer ocean, the energy problem is basically solved.
  - Are solar panels made durable in the ocean?
    - Maybe yes. They are pn junction. No reason mechanically fragile.
- Can we make it by mass producing?