

Filling the world's rivers with water turbines to achieve carbon neutrality

The flow of the river is narrowed, and the water flow with increased flow speed turns a large water wheel to generate electricity 24 hours a day.

The water wheel will heal your heart

great invention of the century
wooden artificial island

Towards the Age of Marine Cities

12m wooden artificial island unit (Use a closed wooden box for buoyancy adjustment)



Position with $\phi 100$ wooden rivets and connect with glue

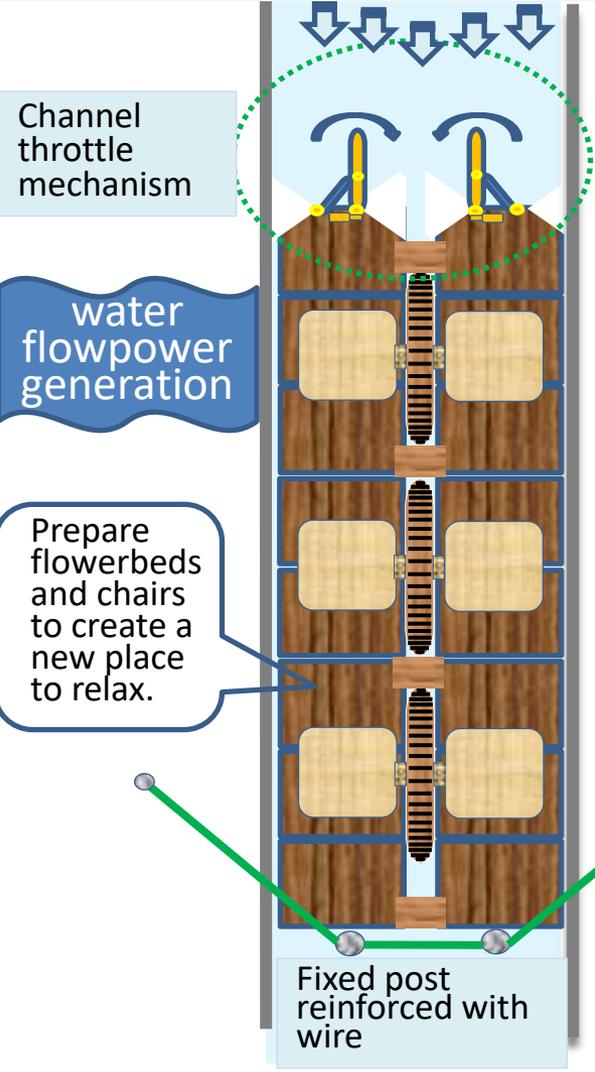
closed wooden box

Create a wooden frame and adjust the buoyancy with multiple closed wooden boxes.



in your city a waterwheel is coming.

Global standard

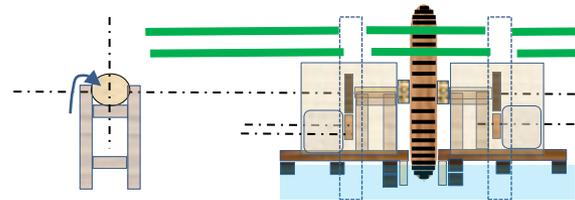


Channel throttle mechanism

water flowpower generation

Prepare flowerbeds and chairs to create a new place to relax.

Fixed post reinforced with wire



Global standard

< History and background >

Each country sets a target for CO2 reduction by 2050, works to improve it little by little from what can be done, and while watching the progress, those who are behind are beaten or given a fossil award, and then somehow we are proceeding with the feeling that it will be accelerated, but because there is no "idea for a universal improvement process", it is not possible to "discuss what a smart city should be", and developing countries where basic infrastructure is not in place. Since there is a strong objection to the "progress of achieving quotas", the environmental activist Greta was arrested yesterday, but there are situations where we have to take the economy into consideration to some extent, so we are not sure how to proceed. I believe **it is already bankrupt**.

< Simultaneous Reforms in All Directions and Uniform Reforms Worldwide >

Russia, China, North Korea, Iran, etc., excluding autocratic nations (*1), it is necessary for the whole world to make common efforts = global carbon neutral strategy (see P3) all at once. thinking about.

As a way to proceed, the G7 will take the lead in promoting local production for local consumption (*2) in each region such as North America & Oceania, the EU (including the UK), and the Far East (Japan, South Korea, Taiwan). , we believe that it is necessary to provide it to other countries by exporting, and then establish a system that can manufacture and maintain various equipment in any country.

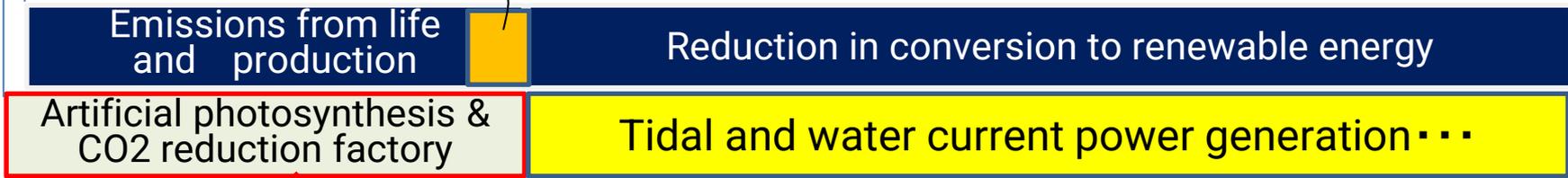
(*1) If a group of AI drones equipped with automatic snipers and able to run silently, dispatched from super-large unmanned submarines and underground air-raid shelters, are deployed in Western countries, autocratic nations will give up aggression and hostile lines and join the ranks. I believe we can.

(*2) Tidal power generation, tree type, solar tracking type power generation, marine product agriculture, low-speed self-driving car (avatar-equipped, 24-hour smartphone app callable) system, etc. based on wooden artificial islands.

< Image of real negative CO2 emissions in 2050 >

Remaining fossil fuel consumption (should be left if necessary, without overdoing it)

CO2 reduction

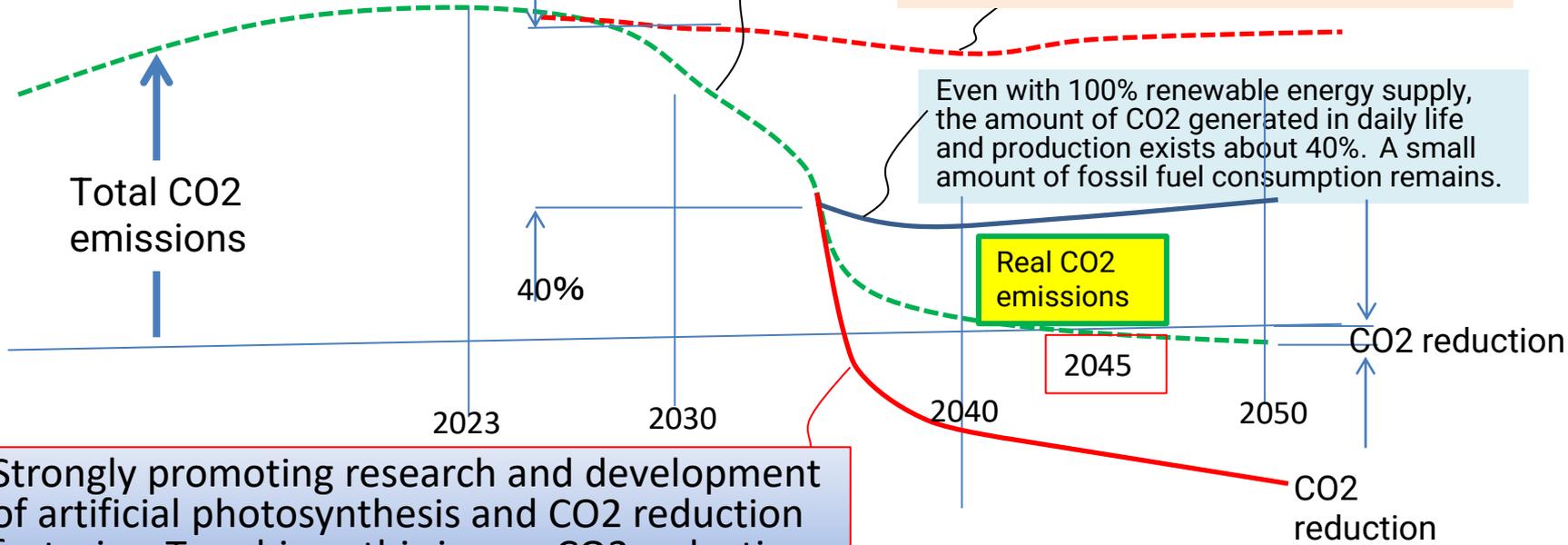


It is necessary to accelerate research around the world for practical applications.
⇒ **Establishment of the Global Artificial Photosynthesis Research Institute**

Global improvement process =
Reduction effect of river current power generation and ocean tidal current power generation

Current route =
When there is no renewable energy from wooden artificial islands

Even with 100% renewable energy supply, the amount of CO2 generated in daily life and production exists about 40%. A small amount of fossil fuel consumption remains.



Strongly promoting research and development of artificial photosynthesis and CO2 reduction factories, To achieve this image CO2 reduction.

Unsolicited /
Scheduled to be
negotiated



United Nations
Climate Change

The United Nations should play a central role in addressing environmental problems, which are common issues around the world, and should aim for simultaneous reforms in all directions and uniform reforms throughout the world, while drawing up provisional scenarios for the future.

First, we will realize a renewable energy system with wooden artificial islands and large water turbines and a low-speed autonomous driving society.

Five principles for solving environmental problems

Things that can be habituated naturally

To be easier

To be more comfortable

To be safer

To become richer

It is NG to think partially!

Do not ask for performance reports and do not impose quotas

Don't overdo it even just a little bit

Reducing global total cost

Reducing global total load

that no one in the world will bear the burden

Separating garbage, taking garbage home, no necktie is OK
It is NG to put up with air conditioning (OK in the short term)

Mega solar is NG due to environmental destruction
Wind power generation that accompanies deforestation and health problems is NG

Pools are set up in rivers with low flow, and all kinds of rivers in the world are filled with "wooden artificial islands". Various types of hydroponic cultivation are carried out to simultaneously solve carbon neutrality and food crises. In a low-speed self-driving car society, we will reform the child-rearing environment, protect the dignity of the elderly, significantly reduce the burden of nursing care, and realize a fun and bright society where no one is left behind, and no one is anxious or dissatisfied.

□ In the case of a 12m artificial island unit, standard lumber: 12 outer frames of 3000x300x200 and 24 frameworks are used, length adjustment materials: 10 2600x300x200 are used, and 2 double female type outer frames of 3000x300x200 are used. Use (above is flooring material), and prepare a sealed wooden box such as 2000x2000x2000 (total about 1 million yen?)

How to make an artificial wooden island

Units are connected with $\phi 100$ wooden rivets for positioning and glued with wood glue.

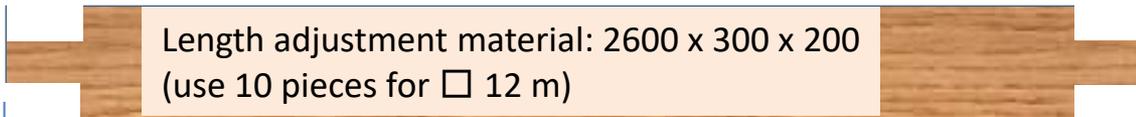
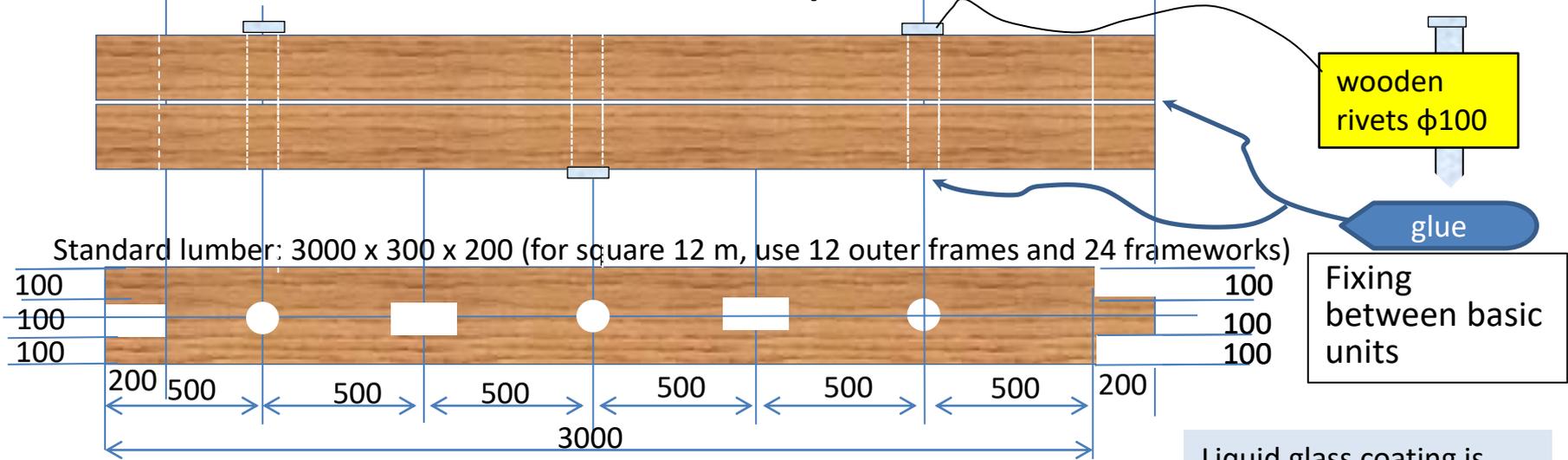
The lumber is processed to a predetermined size at woodworking factories (sawmills) in various places, temporarily assembled, the dimensions are checked, the parts are dismantled, brought to the ship as parts, reassembled on board, and cranes are assembled. Lower it with

For places where cars and people pass, prepare boards with a thickness of about 30 mm and handrails.

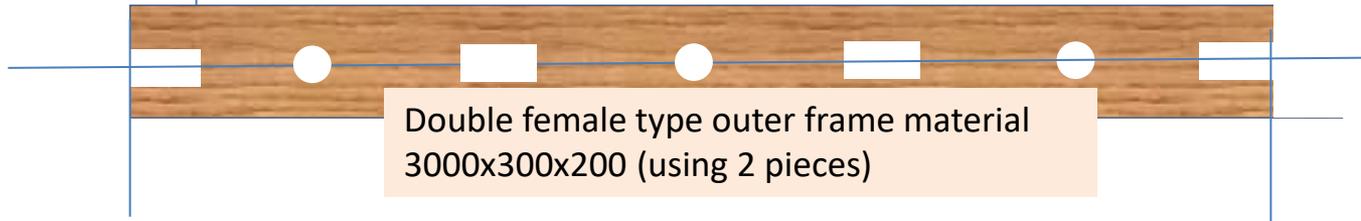
Houses and buildings are directly constructed and installed while distributing the load. Others put an average of 200 layers of soil on top of boards with an average thickness of 200 layers.

Standardly, four sealed wooden boxes (approximately 32t) of 2m x 2m x 2m (approximately 8t) are placed, and depending on the load weight, the number can be increased or stacked on the lower side, so large wooden buildings stand side by side. , a super-large ocean city will be possible.

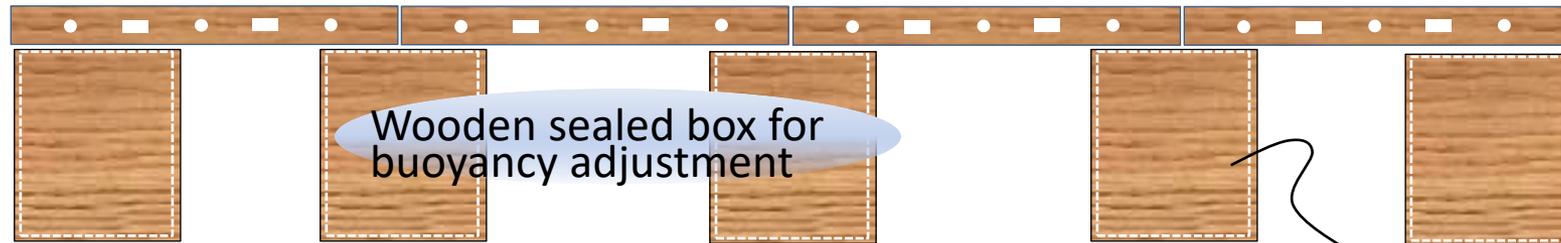
wooden artificial island Basic blueprint



Liquid glass coating is applied to the part above the water surface

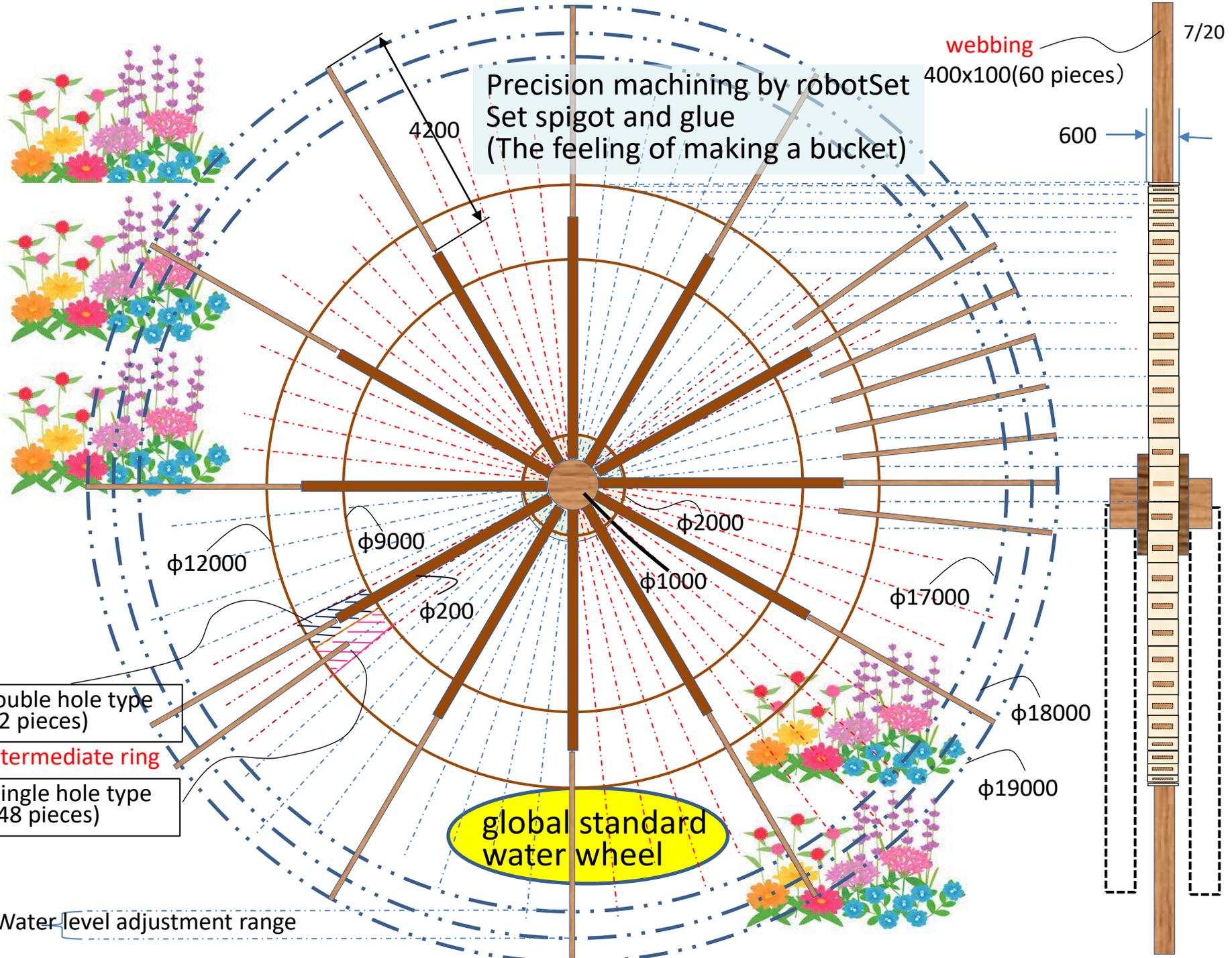


No metal used, only self-contained & adhesive



Wooden airtight box (the number and total volume are determined according to the load)

wooden island unit : \square 6m、 \square 9m、 \square 12m、 \square 15m、...



By narrowing the width of the seawater wave channel from 12 m to 0.6 m, the flow velocity can be theoretically increased 24 times.

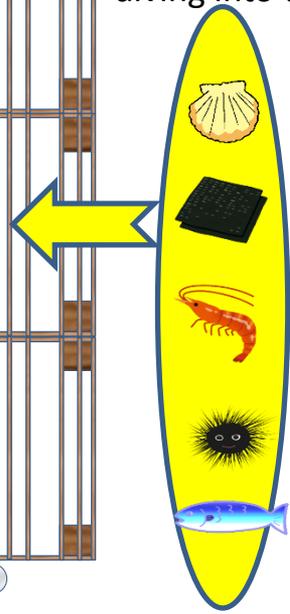
Wooden Artificial Island - "Wave Power Generation System" with Large Water Turbine

Provide 50% of the world's total energy

By suspending the aquaculture unit with a wire, you can cultivate marine products with a sense of agriculture without diving into the sea.

wave power system

Global standard

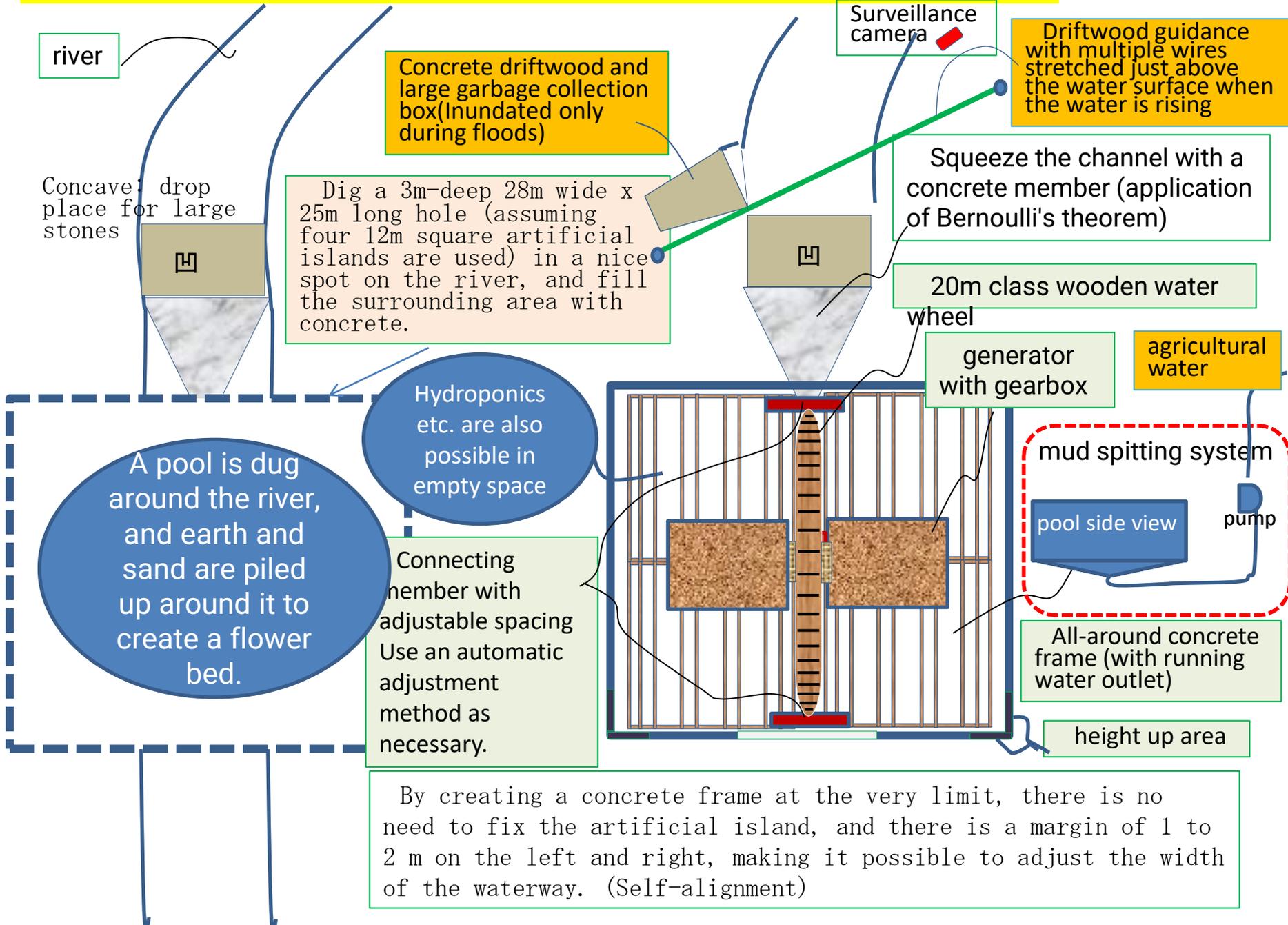


Low cost, quick delivery, 24-hour , forest circulation, and environment-friendly.
Early spread cuts off Russia's financial resources (fossil fuel sales) and makes it difficult to continue the war.

Waves tend to move toward shallower water, so the water wheel should be directed perpendicular to the coastline.

Rapidly increase robot factories for precision wood processing within the G7.

Water current power generation of pool & wooden artificial island



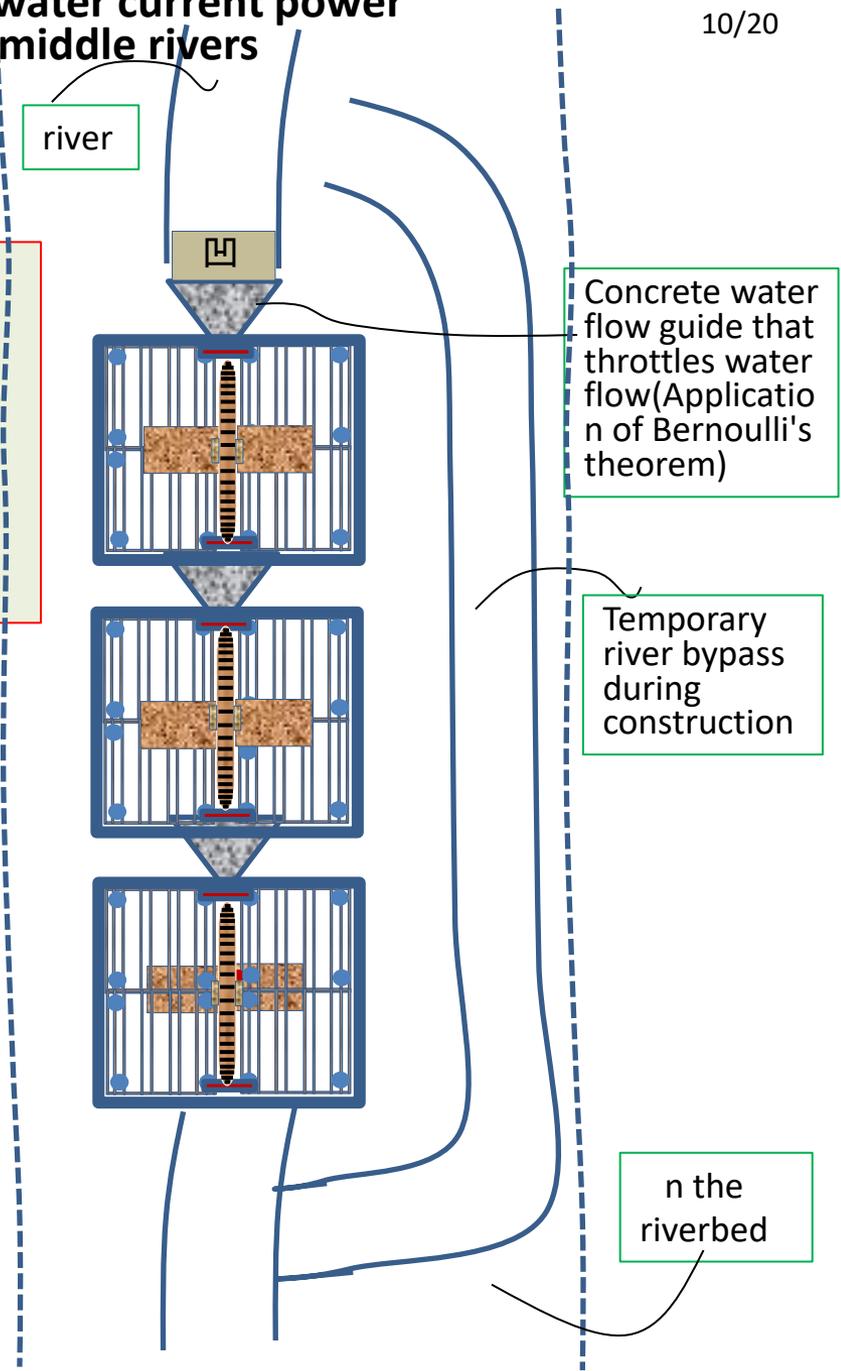
Wooden artificial island water current power generation in upper and middle rivers

Manufacturing (construction) procedure for water current power generation in pools and wooden artificial islands

1. create a river bypass (It is difficult to build a bypass upstream of the Tanigawa)
2. Build a concrete pool.
3. Make a water flow guide to throttle the water flow.
4. Assembling a wooden artificial island in a waterless pool.
5. Assemble the generator with the gearbox.
6. Assemble and install the water turbine unit.
7. Switch from the river bypass to the main stream.

Each wooden part of the wooden artificial island is designed so that it can be carried by two people, and each part such as the wooden water wheel and gear box can be carried by multiple people, so there is no track road nearby. also be able to handle

Self-aligning (automatic centering) eliminates the need to fix the artificial wooden island and has a high possibility of fitting in the riverbed, low cost, short delivery time, safety, and improved scenery. All the energy of the river is converted into renewable energy



River current power generation and construction of a hydrogen society

Priority:
1st: River current power generation
2nd Gulf tidal current power generation
3rd place: Household tree type

Step 2

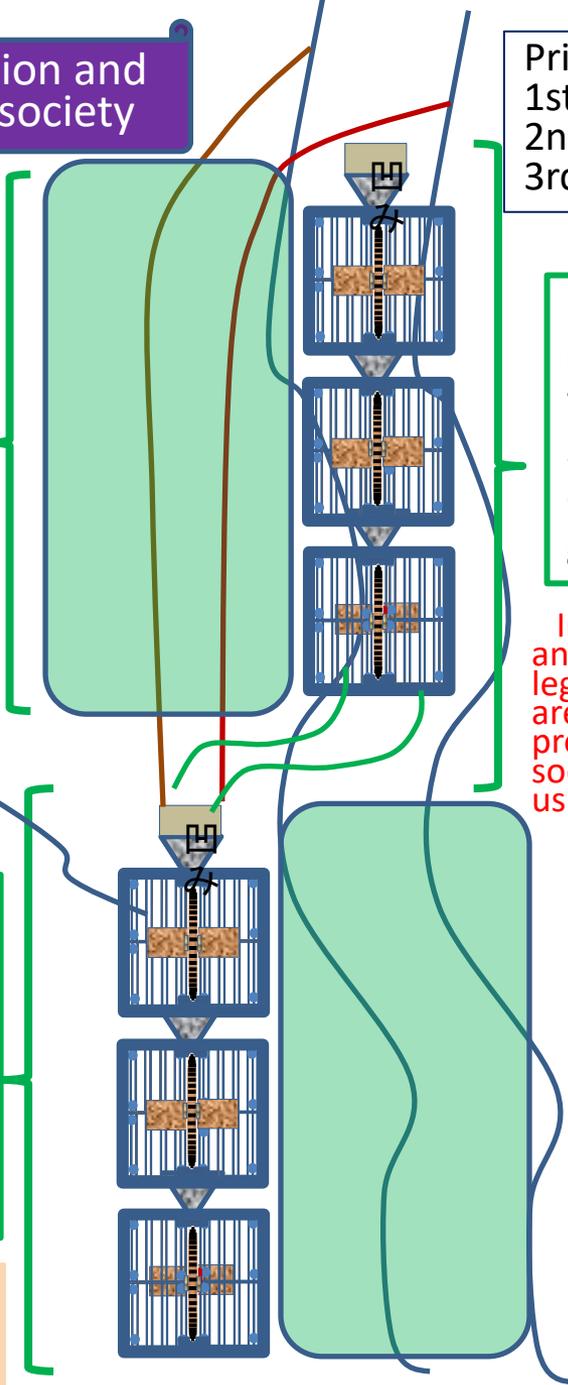
Next, the river bypass work will be carried out from the upper side so that the water current power generation system for the second group of large water turbines can be installed.

Hydroponics and freshwater fish farming are carried out.

Step 1

First, the first group of pool-mounted large-scale water turbine power generation systems will be constructed in areas adjacent to rivers in the middle and upper reaches, where they are easy to construct on plains.

Conventional renewable energy systems other than experimental studies are no longer necessary.



Step 3

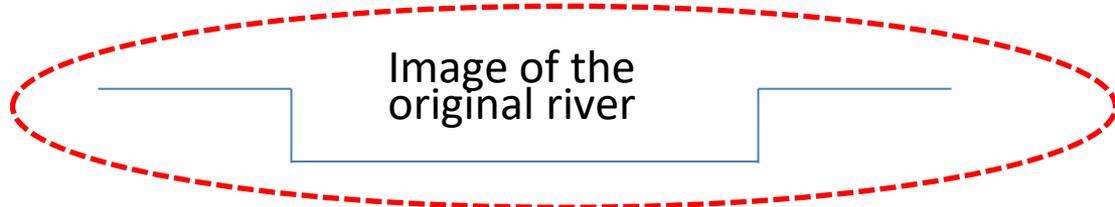
The second group of pool-mounted large-scale turbine water current power generation system is installed. In addition, a connecting flow path to the first group is set.

In the era of self-driving cars, blind people and elderly people who can't stand on their legs will ride in them, so rechargeable cars are no good. In addition, storage batteries are prone to deterioration, so we will shift to a society with an automatic exchange system using All-solid battery robots.

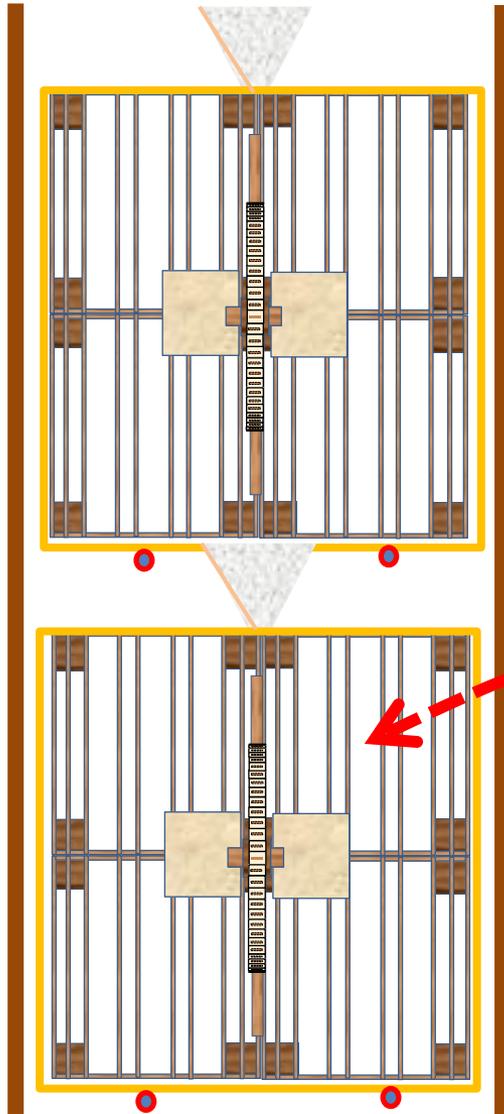
Step 4

1. Build a hydrogen tank factory and an artificial photosynthesis factory
2. Create places for citizens to relax, such as swimming pools, hot springs, and parks.
3. A parking lot for people who use low-speed self-driving cars as their homes.

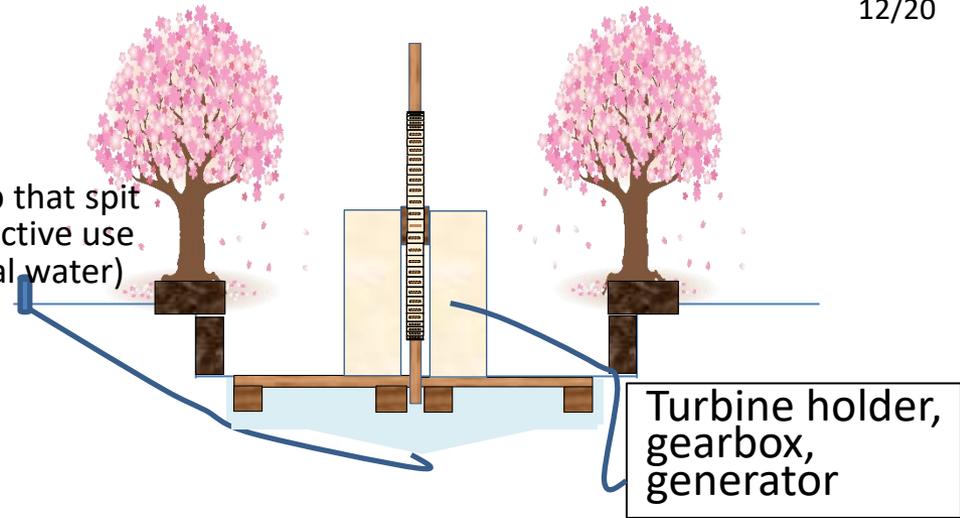
Floods are less likely to occur because the earth and sand generated from pool construction are used as embankments.



12/20

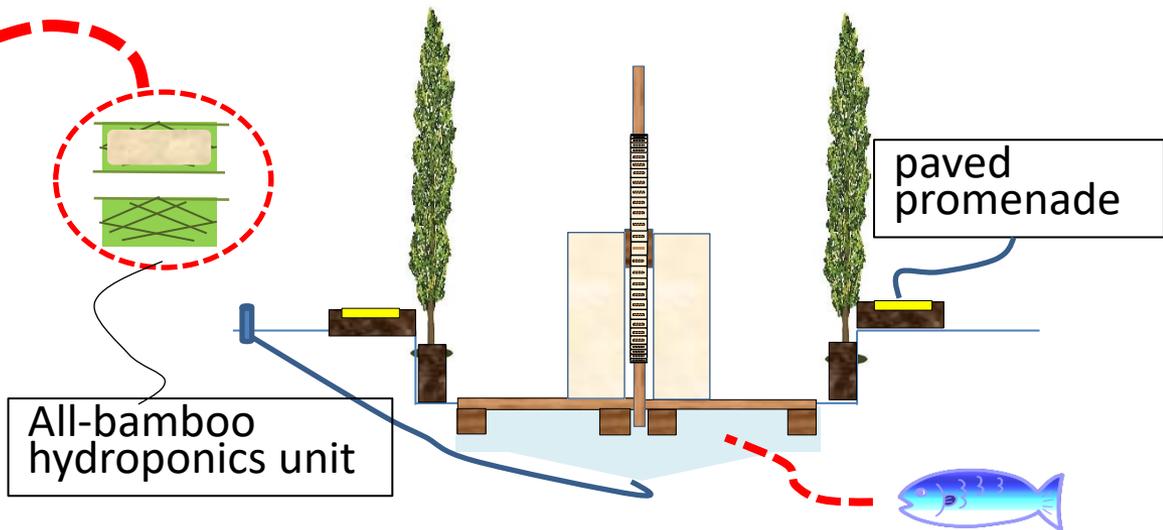


A large pump that spit out mud (Effective use as agricultural water)



Turbine holder, gearbox, generator

If there is not enough space, only planting trees will be done by embankment.



paved promenade

All-bamboo hydroponics unit

Wooden artificial island water current power generation in urban rivers

The perimeter of the wooden artificial island will be fenced off to make it safer, and flowerbeds and chairs will be set up to make it a place for citizens to relax. (Entry is prohibited during typhoons, etc.)

Make it an important EU export industry.

Showcase of EU precision woodworking skills

Bamboo is used as strength reinforcement between posts and as protection for wires and cables elsewhere.

Variable in trials, but fixed in practical products.

Prepare each part in advance and assemble using a crane.

In the big river, it is multi-layered, and the parts are transported and installed by ship.

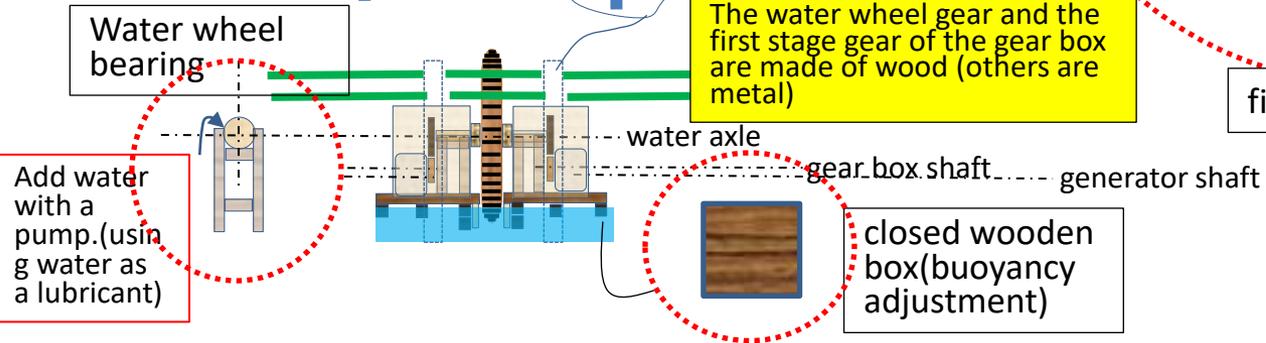
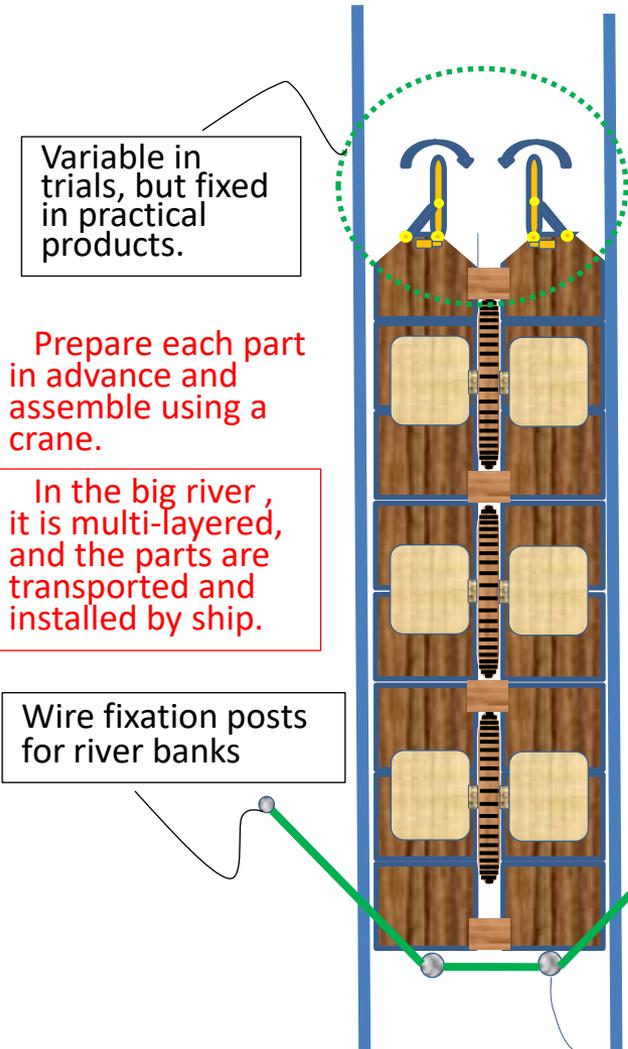
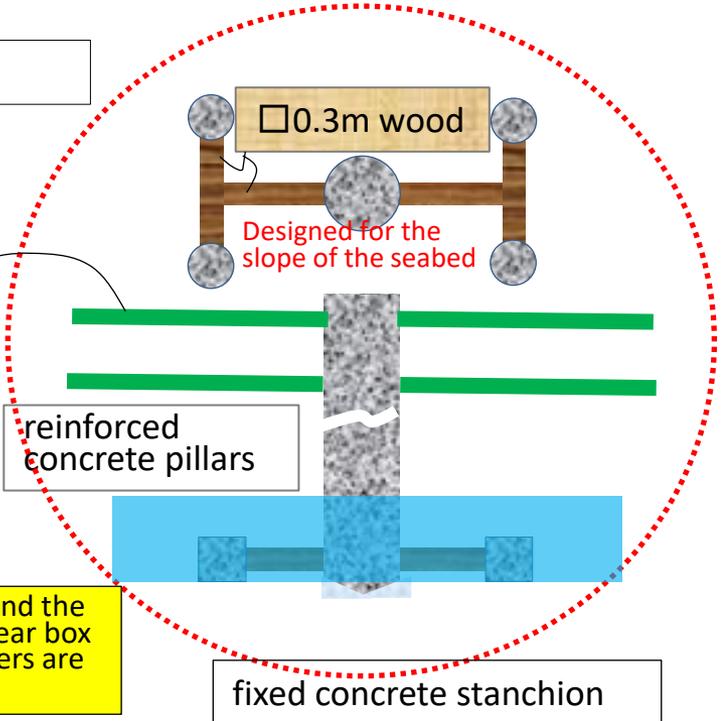
Wire fixation posts for river banks

Water wheel bearing

Add water with a pump. (using water as a lubricant)

The water wheel gear and the first stage gear of the gear box are made of wood (others are metal)

closed wooden box (buoyancy adjustment)



In the EU (UK) and Japan, we will try it in possible municipalities and spread it while sharing information globally.

score ←It depends on individual sensory judgment.

wave power 24h	200P	Low cost, quick delivery, recyclability, seafood farming
river current 24h	100P	water level =water wheel, self-aligning no need to fix
island tree type	30P	Installation efficiency 40 times that of mega solar
home tree mold	10P	Fixed in the ground, low installation cost
offshore wind P	1 P	Requires a solid foundation in the ground under the sea

Onshore wind power generation is associated with health problems and deforestation, and mega solar causes environmental destruction, which is a negative point

Wooden artificial islands and (pool setting) water current power generation do not have environmentally hazardous substances, and more than 95% can be made of wood, so any municipality in the world can make them. One week to design, one month to build, one week to move, one week to assemble. Wooden water turbines and generators are also extensions of conventional technology, and there is no difficult technology.

"Sea water velocity applying Bernoulli's theorem"

The fastest tidal current in the world is between the Lofoten Islands on the northwestern coast of Norway, and the speed is around 28 km. By appropriately setting the ratio to the placed "waterway" depending on the location, we believe that a constant flow velocity of about 36km/h = 10m/s can be obtained, and the ebb and flow of the tide due to the gravitational force of the moon. We believe that it is possible to prepare a reversible generator and operate tidal current power generation at any location for 24 hours.

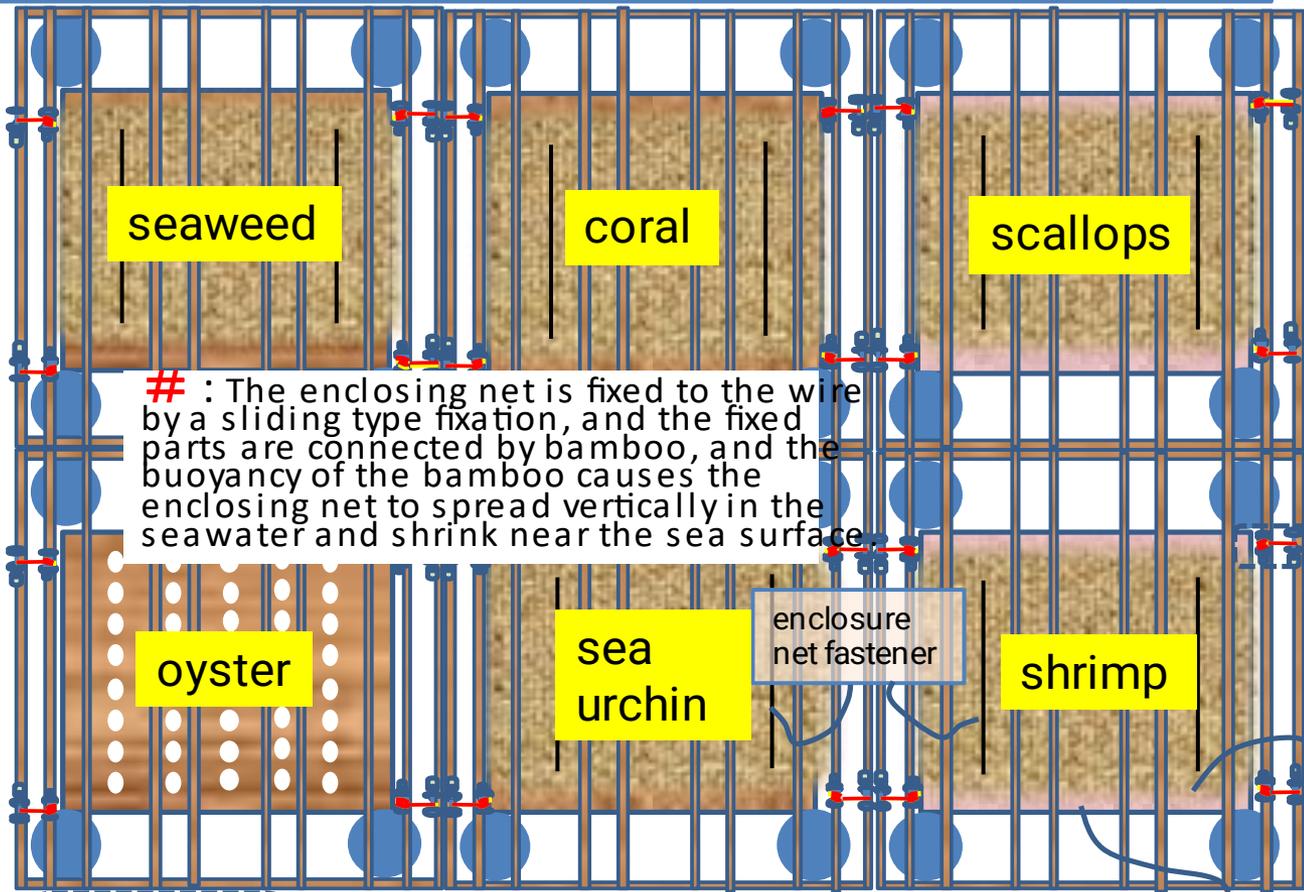
"Cost comparison between tidal power generation and offshore wind power generation"

The wooden artificial island has a framework made of wood, and multiple "sealed wooden boxes" are used to adjust the buoyancy to balance with the load. Metal is used for wood, gearboxes, power generation mechanisms, etc.) is only fixed to the framework of the wooden artificial island, so the cost is very low.

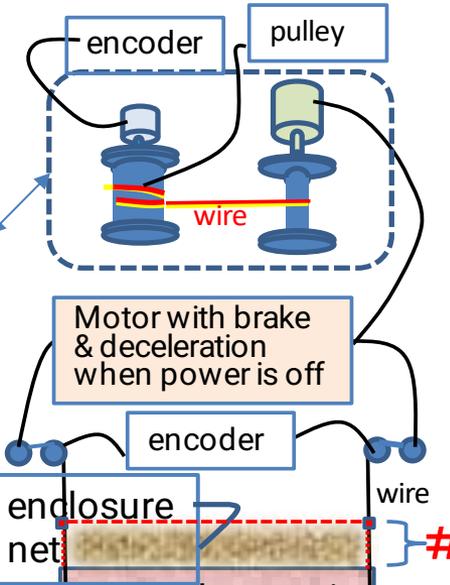
With the huge amount of energy (770 times that of wind power) in the flow of water, by using multiple water turbines in succession, the amount of power generated per unit is overwhelmingly large, and the installation cost is lower than that of offshore wind power. It is expected to be about 1/20 of the power generation.

For each 12m artificial island unit, a 8-10m "aquaculture unit" is set up, suspended with four wires, and AI performs optimum depth control in consideration of temperature and sunlight.

seafood farming

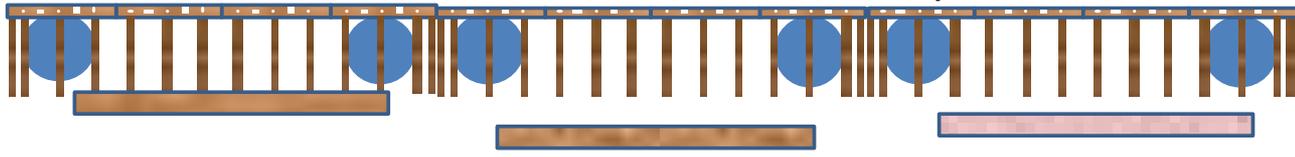


Accurate height adjustment is possible by suspending the aquaculture unit at four points with wires, rotating the pulley attached to the encoder, and winding it with a motor.



The AI automatic management system controls the depth according to the weather and seawater temperature of the area, and cultivates various seaweeds at the most suitable depth.

During cultivation management and harvesting, it is pulled up to near the surface of the sea so that work can be done without diving. (To marine product agriculture)



Snow country specification LSA

自走式でグイグイ進んでしっかり HONDAのネットカタログより

HSS655c (JE1)

メーカー希望小売価格 (税込)

¥239,800

(消費税10%抜き ¥218,000)

除雪幅

55cm

エンジン排気量

163cm³

To wide specifications(no engine required)



snow removal Device

If AI determines that snow is a concern, LSA automatically installs a snow removal device.

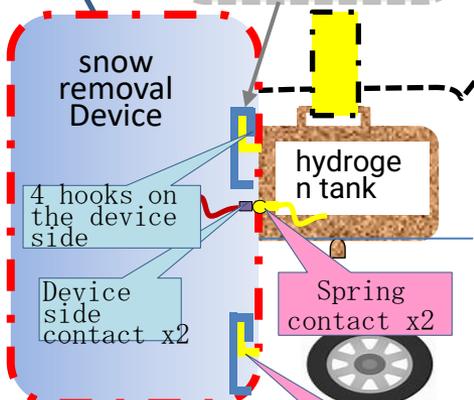
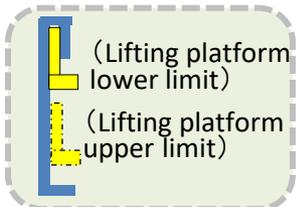
LSA=low speed auto driving car

Snow country specification vehicles basically consist of studless tires, 4-wheel drive vehicles, and large tires. If the LSA's AI determines that it is necessary, it will announce to the passengers through the AI speaker, and the LSA will automatically install the snow removal device and then drive automatically.

Population explosion in snow country with automatic snow removal and automatic nursing care

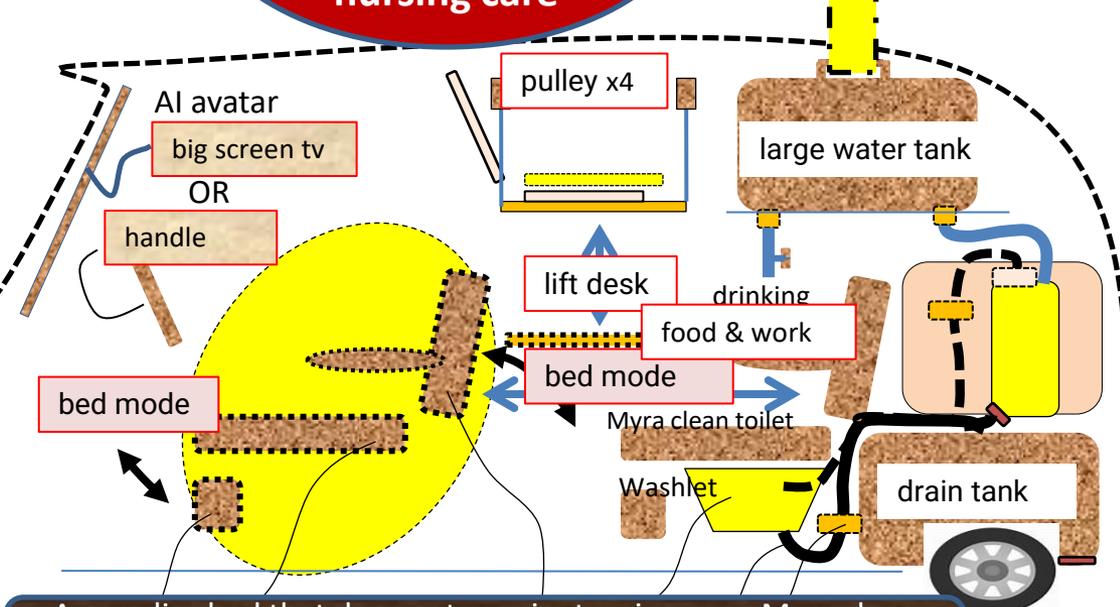
Japanese patent: 6792891

Robotic hand in automatic exchange house



electric platform (up and down as instructed by LSA)

LSA side hook part x4



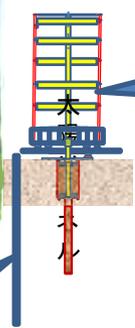
A paradise bed that does not require turning over, Myra clean toilet, robot washlet, lift type desk (meals, PC table), AI speaker (car and conversation), mother avatar on large screen TV

Modern Depopulated Area/Modern Old Folk House

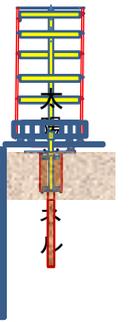
Elderly/
disabled
/blind
people
can live
in a
modern
old folk
house

Tasty water, no energy bills, and low prices allow you to go anywhere 24 hours a day.

In the morning when the weather is fine, they take me to the top of the mountain to see the sunrise and then walk home. (If you get tired, take a rest on the way and call a car if necessary.)



Tree type that is resistant to snow and strong winds. Water and electricity bills are free by selling electricity



Self-driving car with a speed of 6km/h. You can make reservations 24 hours a day with a smartphone app.

Chemical-free disinfection well water (UV-LED) With new weapons, you can dig a well in a few hours.

Establishment of AI self-driving car management center

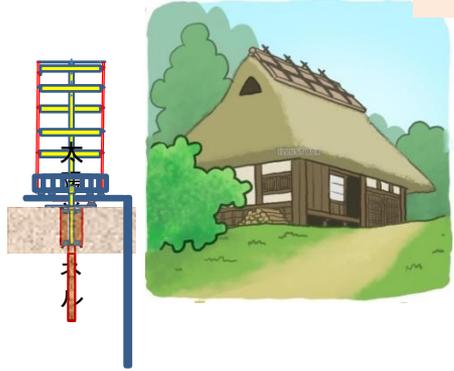


Mini theater, mahjong, karaoke Various education classes, various musical instrument performances, Ping-pong, jazz dance, etc. There is also an infirmary and an insurance teacher (playing with friends all day)



A super-large rest house that renovated an abandoned school and an abandoned hotel

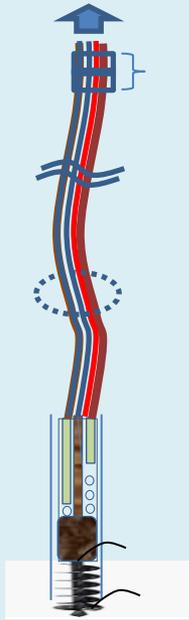
Although the appearance is antique The interior is a high-class rest facility



Shopping the mall

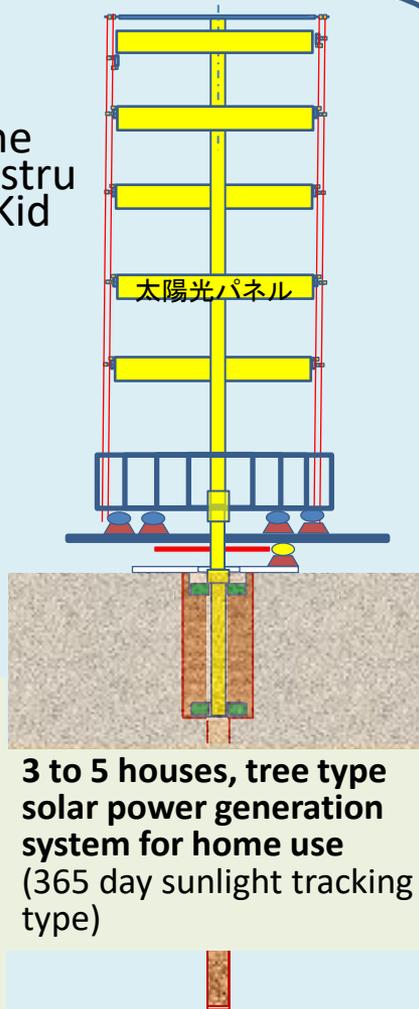


Ukraine Reconstruction Kid



ground hole digger (also applies to well digging)

Excavated earth and sand with water Stir and suck up as mud. (With an extension cable setting, you can dig more than 100m.)



3 to 5 houses, tree type solar power generation system for home use (365 day sunlight tracking type)

1. Create and verify prototypes in Japan (Crowdfunding or outsourcing to a private company (supported by patent revenue))

2. Send prototypes and drawings to a Polish company (your company). A Japanese engineer will go on a business trip to perform installation & TT.

3. Mass production at a Polish company (your company or your partner's factory)

4. Free installation in Ukraine (Jointly carried out by Polish and Ukrainian companies.)

5. A Ukrainian company will provide maintenance and regular cleaning.

The Ministry of Foreign Affairs of Ukraine, Poland, the EU, Japan, etc. will negotiate and determine the cost sharing. In the future, it will be manufactured in Japan and the EU as a whole, and spread all over the world...

Kurdish funding (November-December 2010) failed in Japan, partly because the solar tracking type was not appealing, but if possible, I would like it to proceed within the EU.

LSC in-vehicle automatic childcare system

Dealing with the declining birthrate is not just a matter of money. It is about building an environment where people can work overtime, go on business trips, and enjoy love and hobbies while raising children in a safe and secure manner and educating them for special talents.

LSC will take you to a contracted breastfeeding facility at regular intervals, and during that time, an AI = super genius mother avatar will appear on the big screen TV and play with you.

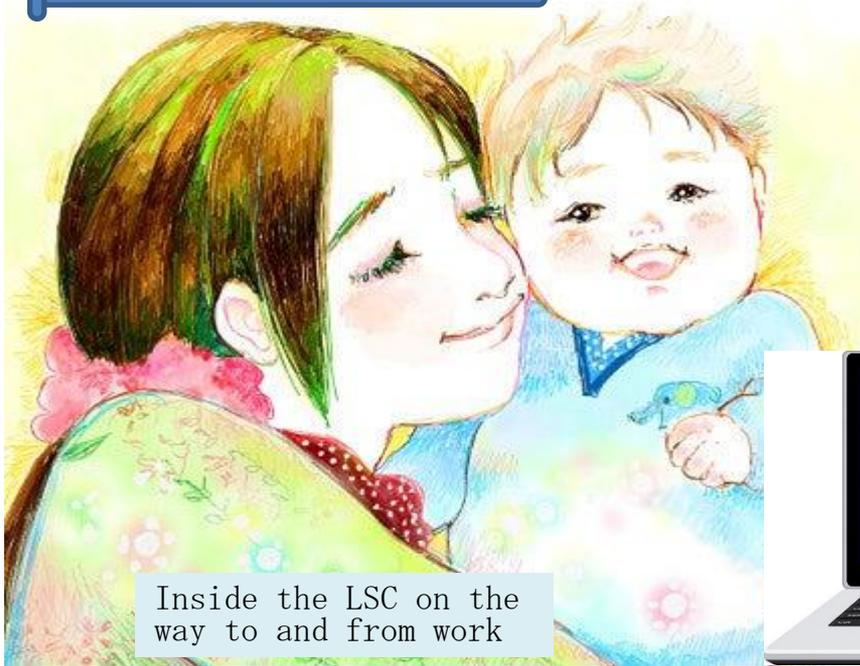


mother avatar



Inside the LSC while the mother is at work

LSC in-vehicle automatic care system



Inside the LSC on the way to and from work

After working overtime, she don't drive in LSC, so she can enjoy physical contact at a slower speed.



You can always see your baby on your PC or smartphone.



A child raised by a loving real mother and a super-educated mother avatar grows into a super genius who understands human pain.

A self-driving bus that operates 24 hours a day (However, during the daytime, two people will be on board to assist people in wheelchairs and people with disabilities, and to start and stop. (Make it possible for men and women of all ages from 16 to 100 to work .)

Time zone A:
6:00 to 21:00 There is a timetable, assistant personnel 2 people required

Time zone B:
21:00 to 6:00 the next day
No timetable, passenger self start/stop.

no smell
With flush toilet

Barrier-free bus stop:
Wheelchairs and delivery robots also board.

A cushion that softens the impact of a collision

A self-driving society with a system that adjusts the number of self-driving buses and the time interval according to the reservation status by making a reservation on a smartphone by the day before, and is a self-driving society that can be called by a smartphone and moved at any time for 24 hours. is. (low speed for the time being)

General cars other than ambulances will be eliminated, and the shopping district will be revived by the low-speed self-driving car society, and the population will increase again.

