

How to proceed with carbon neutrality

For example, 7-Eleven says in a TV commercial, “We aim to use 100% renewable energy for our facilities,” but even if surrounding businesses and residents try to follow suit, they cannot find the renewable energy equipment right next door. However, because they cannot be used in common, new renewable energy equipment has to be installed, resulting in a decrease in overall efficiency.

Also, Takenaka Institute of Technology says, “We think at the ‘city level’ rather than ‘individual buildings,’” so it is a better match, but when surrounding cities try to achieve the same goal, the city that achieved it first This ‘fencing’ becomes a stumbling block, and there are many cases where things that would have been more efficient if we had thought in common from the beginning are not. In other words, the correct answer is to think in terms of “all city levels” = global, rather than “city level.” (The world is connected)

Also, although we often use the term ‘regional-specific issues,’ it is true that there are no exceptions, and every city has problems (such as nursing care burden problems, declining birthrates and aging populations, problems with maintaining transportation methods due to depopulation and labor shortages). problems, vacant house/vacant land problems, poverty problems, etc.) are almost common. ⇒This could be a common issue for Japan as a whole or the G7.

Furthermore, the traditional virtue of ‘doing everything carefully’ has become more complex in our increasingly complex society, where we have a complete set of infrastructure that makes our lives more convenient. It feels like you’re thinking the wrong way.

Therefore, I am advocating “simultaneous reforms in all directions & global uniform reforms,” but rather than each region or country proceeding individually (since this is a common issue, we should think about it as widely as possible and share information) by focusing on a few excellent ideas. The correct way to move towards carbon neutrality is to decide on a global standard technology and proceed with it in areas where it can be introduced, in close cooperation with surrounding areas (while ensuring that areas that are introduced late do not suffer).

We are proposing a ‘**wooden artificial island wave power generation system**’ and a ‘**tree-type solar power generation system**’ as excellent global standard technology candidates. For more information, search for “wooden artificial island” and refer to “Omnidirectional simultaneous reform & global same reform” and “Tree-type solar power generation system” on the Garden Field homepage.

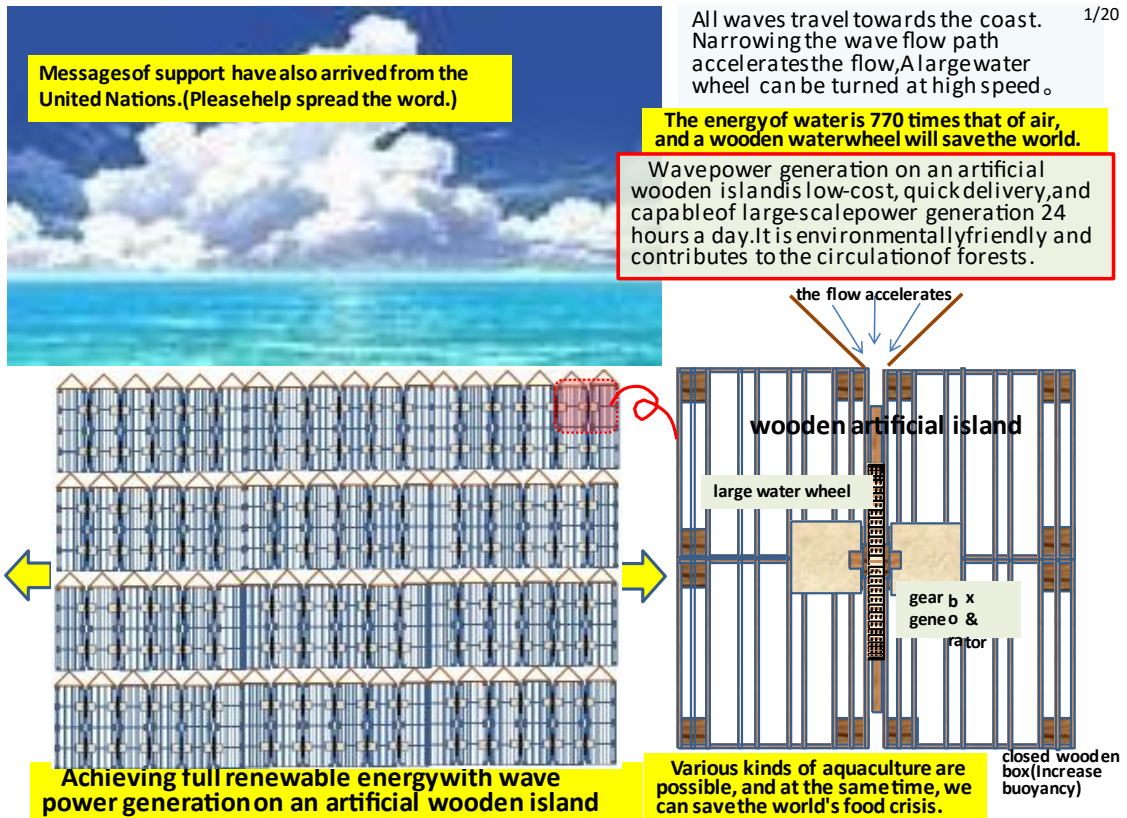
“Wave power generation system on wooden artificial island”

The idea of ‘‘wave power generation’’ has been around for a long time, but it was never realized because there was no simple floating technology.

In addition, the wooden artificial island (sealed wooden box) is based on a simple principle, so it could have been developed even 150 years ago. This technology was a blind spot in the world, and we were able to obtain a patent for ‘‘7112150 Floating Artificial Island.’’

Sea water tends to flow towards shallow water, and waves always move towards the shore. Build four 12m wooden artificial islands on the coast, set a 19m waterwheel on top of them, orient the waterwheel perpendicular to the coastline, and rotate the waterwheel with a channel width narrower than the wave reception area to achieve high speed. It rotates, and since water has 770 times the energy of air, it has a large torque, and the gearbox accelerates the generator at high speed, making it possible to generate a large amount of power 24 hours a day.

It is low cost, has a short delivery time, can be expanded on a large scale, contributes to forest circulation, is environmentally friendly, and in other words, we believe it will become a global standard and can provide more than 60% of the world’s renewable energy needs. (Mega solar and wind power generation are no longer necessary)

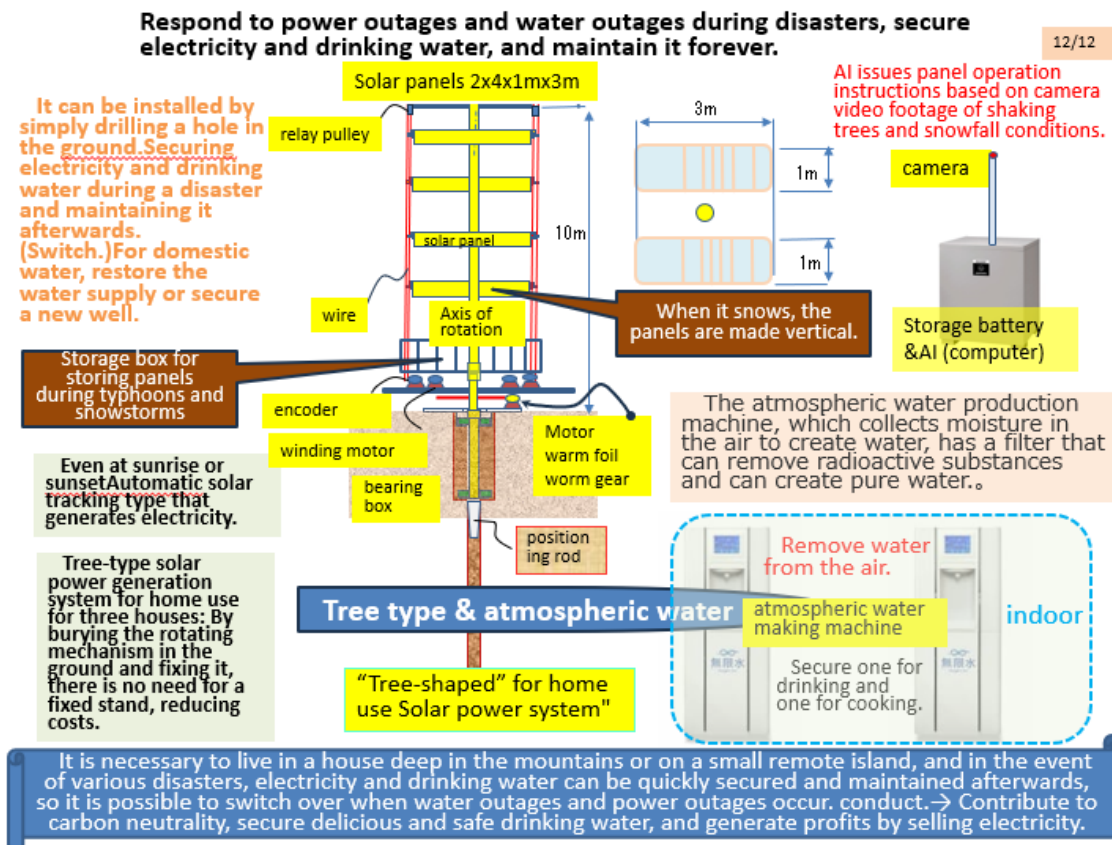


“tree-type solar power generation system”

Originally, we named it “Patent No. 6656522” for the sky-shaft type solar power generation system, but a staff member from the Cabinet Office suggested that the sky-shaft type was lame, so why not change it to a “tree-shape”? This is why the name was changed to “Tree-type solar power generation system.” When I spoke to them over the phone, staff from the Ministry of Economy, Trade and Industry (NEDO) and the Ministry of the Environment generally gave it a favorable reception, but the government (nuclear power generation, wind power generation system) This is unpopular (because it would make it impossible to promote power generation systems based on interests such as power generation projects and brown coal projects), and it has not yet been realized.

Recently, atmospheric water production machines (extracting water from the air) have been put into practical use, so the “tree-type” machine, which does not take up much space and can be installed immediately, can immediately supply water and electricity in the event of a disaster. I think it will be useful as a system.

AI learns the strength of wind from snowfall and the swaying of trees from camera videos, and sends evacuation instructions to solar panels, which can withstand typhoons and heavy snow, making it a powerful means of achieving carbon neutrality. We believe that it will rapidly spread throughout the world as a global standard and bring enormous benefits.



To install a tree type, follow the process below.

1. Make a big hole in the ground with a power shovel.
2. Drill a thin hole in the center of the hole above.
3. Install the bearing unit so that the positioning rod goes into the thin hole.
4. Drop the earth and sand around the bearing unit and harden it.
5. Installation of upper structures (various motors, wires, shafts, light receiving panels, etc.)

As for the procedure above, if you have a drill with the same dimensions (+ α) as the bearing unit, you won't need a power shovel and it will be easier to install.

For more information, please search for wooden artificial islands and click on "Tree-type solar power generation" on the Garden Field website.

<Summary of ideas>

It is wrong to "start from what we can do in some way"; we need to use global standard technology to share future scenarios with the world, and advance the regions that can be developed first while taking into consideration the regions that will follow later. That's the correct way to proceed.

We will take the lead in the G7 and grow the company as a whole while exporting it all over the world, and ultimately make it possible to build and maintain it in any country.



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

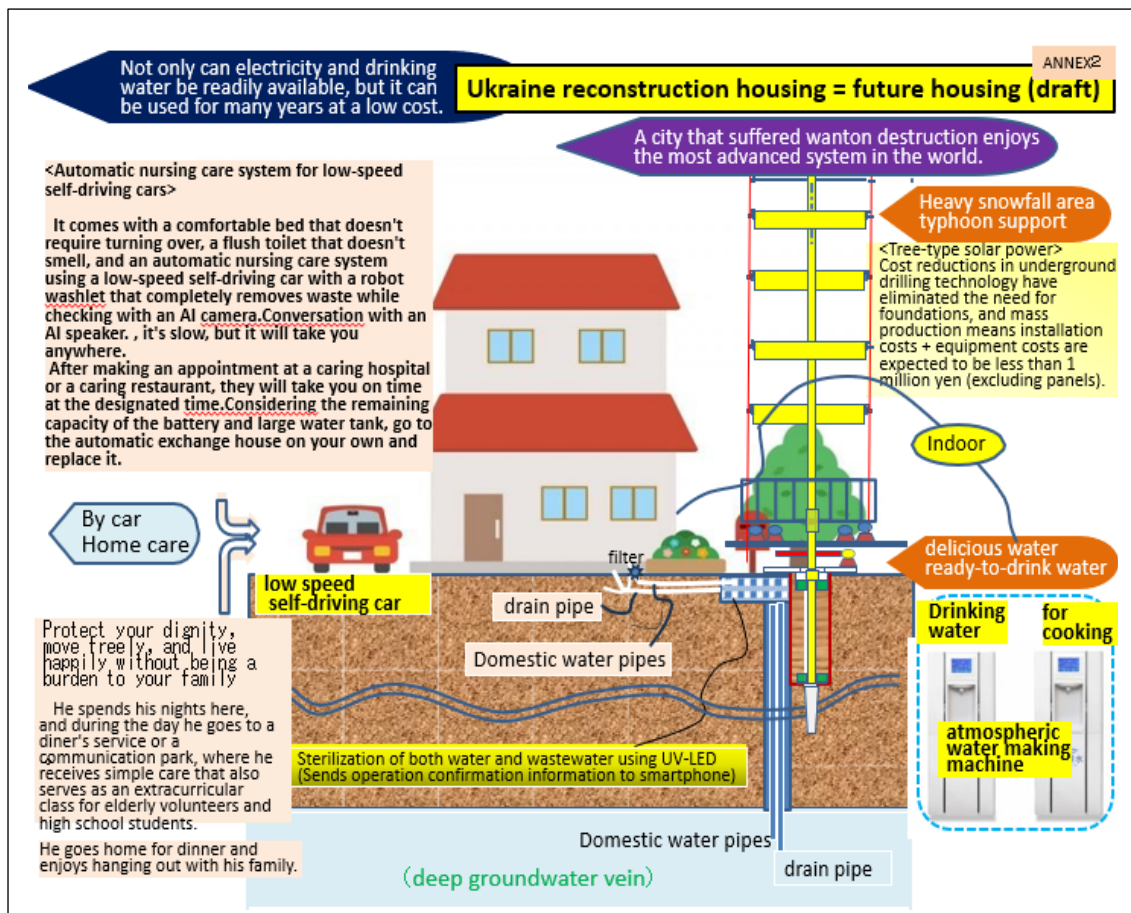
All kinds of coastal areas and rivers in the world are filled with "wooden artificial islands", and on the upper side, a large water wheel is turned, and after increasing the rotation speed with a gearbox, a generator is turned, and on the lower side, various types of aquaculture and hydroponics. Cultivate and solve carbon neutrality and food crisis at the same time. 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.

<Proposal for future housing>

The functions of coastal cities (department stores, shopping streets, condominiums, and residential areas), large-scale transportation systems, and various factories can be powered by wave power generation on artificial wooden islands, while inland areas can be powered by underground cables. It is possible to operate a hydropower generation system by setting up a pool through comprehensive river development, but in inland residential areas, various ``tree-type`` systems are simple and effective.

If you build a power network with multiple tree types and 50 to 100 homes, it will be destroyed due to failure, maintenance, earthquake, etc.), it is unlikely that a power outage will occur.

Energy costs have been significantly reduced to about 1/10 to 1/20 of conventional costs, and once you have water for drinking and cooking with the atmospheric water generator, you can use water for other daily life (washing, bathing, etc.). Traditional water supply systems are no longer necessary, as you can simply draw water from wells or clean rivers. (As far as wastewater is concerned, it will remain as it is for the time being, but in the next few decades we are aiming for a completely circular system in which wastewater is sterilized and then drained into deep underground water to obtain water for daily use.)

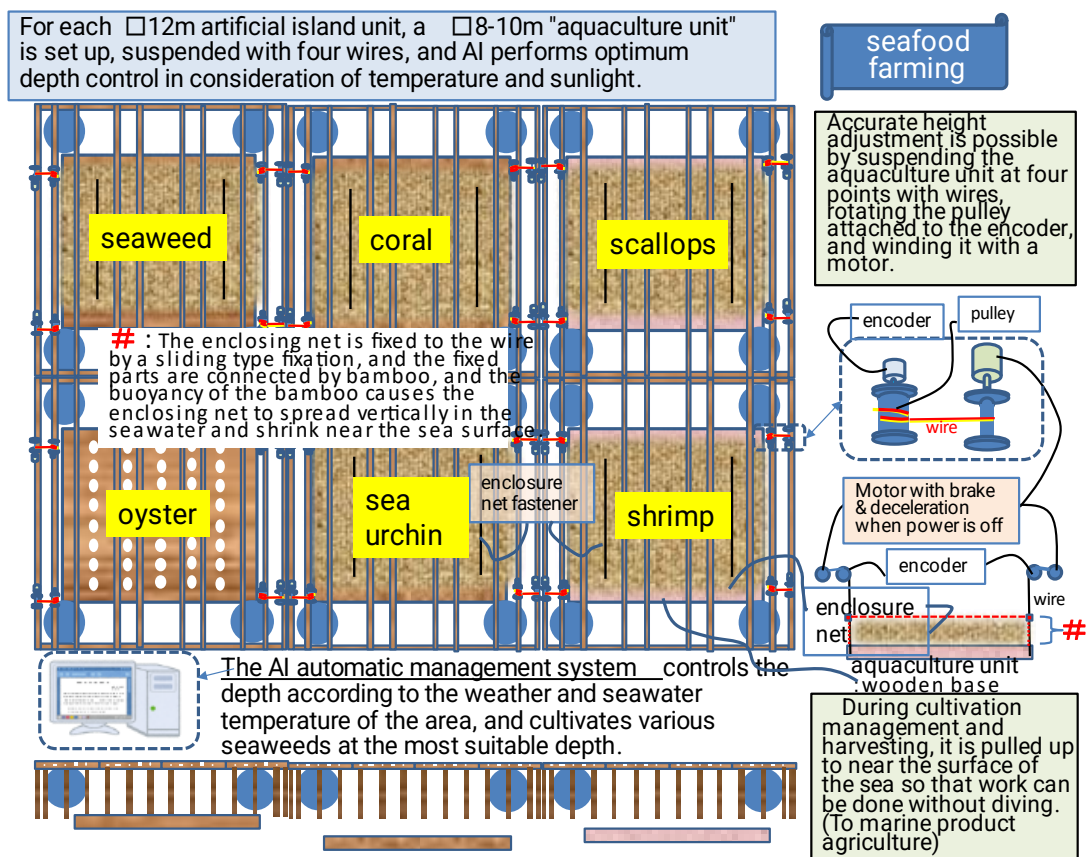


Seafood agriculture on artificial wooden islands will change the world's food culture and solve the world's food crisis.

<Seafood Agriculture>

Seafood agriculture is a type of marine product that can be cultivated and harvested as if it were farming. In the case of fish farming, large-scale nets are laid between and under artificial wooden islands, allowing fish to migrate over a wide area. You can easily create a fish farm that can be used, pull up the net to near the surface of the sea, and harvest fish from the wooden artificial island with a "cat net".

In addition, the aquaculture unit can be hung from a wooden artificial island with a wire, pulled up to near the sea surface, and submerged in seawater up to just below the knee or crotch, without submerging in the sea. Instead, we call it "seafood farming."

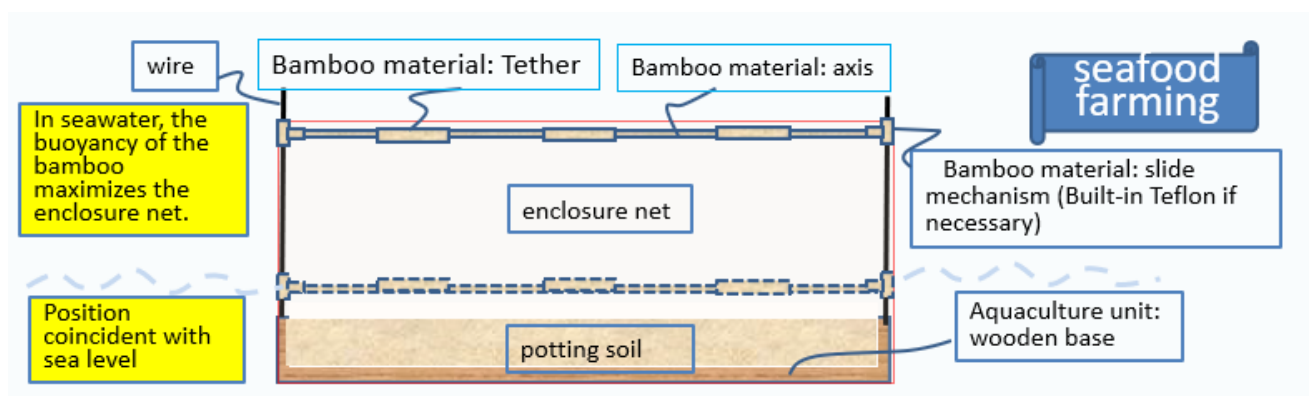


Moreover, agriculture in the sea and lakes will become possible, and large-scale agriculture will become possible even in areas where conventional crops do not grow.

An "enclosure net" is placed above the aquaculture unit, four wires are passed through bamboo, and the bamboo is used as a frame to hang a mosquito net. prevent spills or spills.

The "enclosing net" is fixed at the wire part in a sliding manner, and the fixed parts are connected by bamboo. Since the aquaculture unit rises and the bamboo remains at sea level, the "enclosure net" becomes concave vertically, making it possible to perform various operations without submerging in seawater. (→ farm work)

In addition, a plurality of fasteners are set on the upper part of the "enclosure net", and the fasteners are opened when agricultural work is performed.



In addition, raising and lowering the aquaculture unit can be operated as if it were a remote control using a smartphone app while being remotely controlled via an AI server.

Wearing long boots that go up to the waist, you can feed and nourish them and harvest them in the seawater from knee to crotch as if you were working on a farm.



Seafood farming does not use pesticides, does not require weeding, does not require watering, is not affected by the weather, is resistant to typhoons, earthquakes, and tsunamis, and is also resistant to animal damage, insect damage, and infectious diseases. I think it can be called ideal agriculture (aquaculture) because there is no need to worry about it and it is difficult to be stolen.