

Kobe

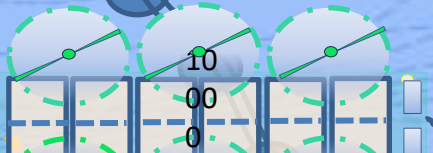
Kansai Galaxy Railway Concept for All Renewable Energy

Fly at 1m above the ground

Fly over the sea at 3m

Galaxy Express route

Osaka



Fill with helium (buoyancy 30kg)

Bed type 6 seater
Chair specification 12-seater

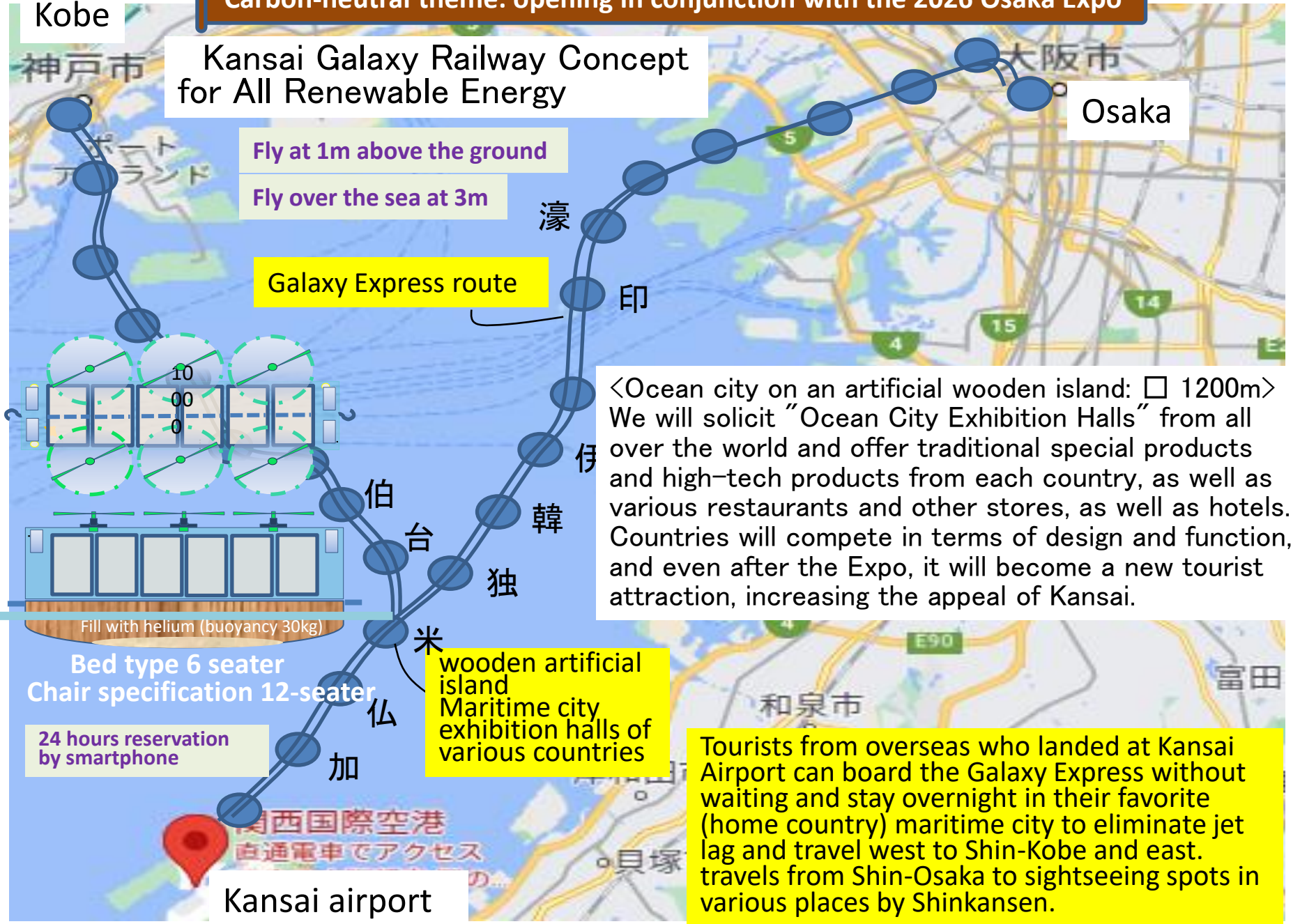
24 hours reservation by smartphone

wooden artificial island
Maritime city exhibition halls of various countries

<Ocean city on an artificial wooden island: □ 1200m>
We will solicit "Ocean City Exhibition Halls" from all over the world and offer traditional special products and high-tech products from each country, as well as various restaurants and other stores, as well as hotels. Countries will compete in terms of design and function, and even after the Expo, it will become a new tourist attraction, increasing the appeal of Kansai.

Tourists from overseas who landed at Kansai Airport can board the Galaxy Express without waiting and stay overnight in their favorite (home country) maritime city to eliminate jet lag and travel west to Shin-Kobe and east. travels from Shin-Osaka to sightseeing spots in various places by Shinkansen.

Kansai airport

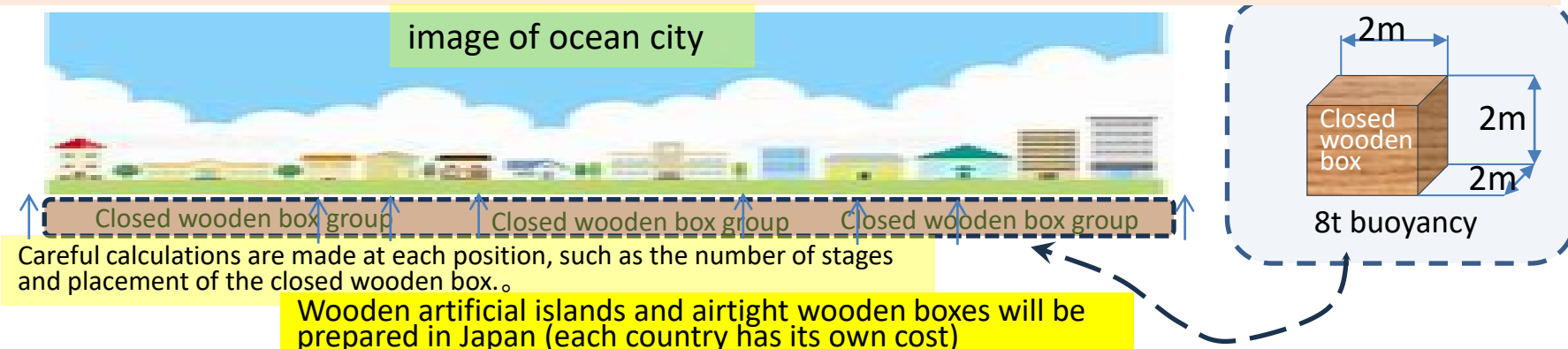


A New Expo Concept (It is not good to build a building only for the Expo)

Build a model district for a future smart city (100% renewable energy & vehicles that can be reserved 24 hours a day via smartphone), and use it forever as a living and play space, business use, and a symbol of international exchange.

A place for countries to compete with each other for future attractive ocean cities

Each country participating in the Expo will use 100 x 100 basic units of 12m x 12m wooden artificial islands, construct buildings with various ideas and designs on the island of 1200m x 1200m, and introduce traditional festivals, ceremonies, costumes, and high-tech technology. We will create multiple 3D image-type amusement parks that make full use of , and set up contact points for various businesses. Each facility is operated independently by the staff in their home country, but the employees employ a certain percentage of people who have been recognized as refugees (determined by the United Nations), and donate 1/10 of the profits to UNESCO.



<Necessary things common to each country>

1. Over 10,000 hotel rooms
2. More than 400 galaxy train cars and berths (around 4 sides)
3. 8 or more automatic battery exchange houses for Galaxy Express trains.
4. 2 or more galaxy rail car maintenance factories
5. Embassies, hospitals, police, fire departments...

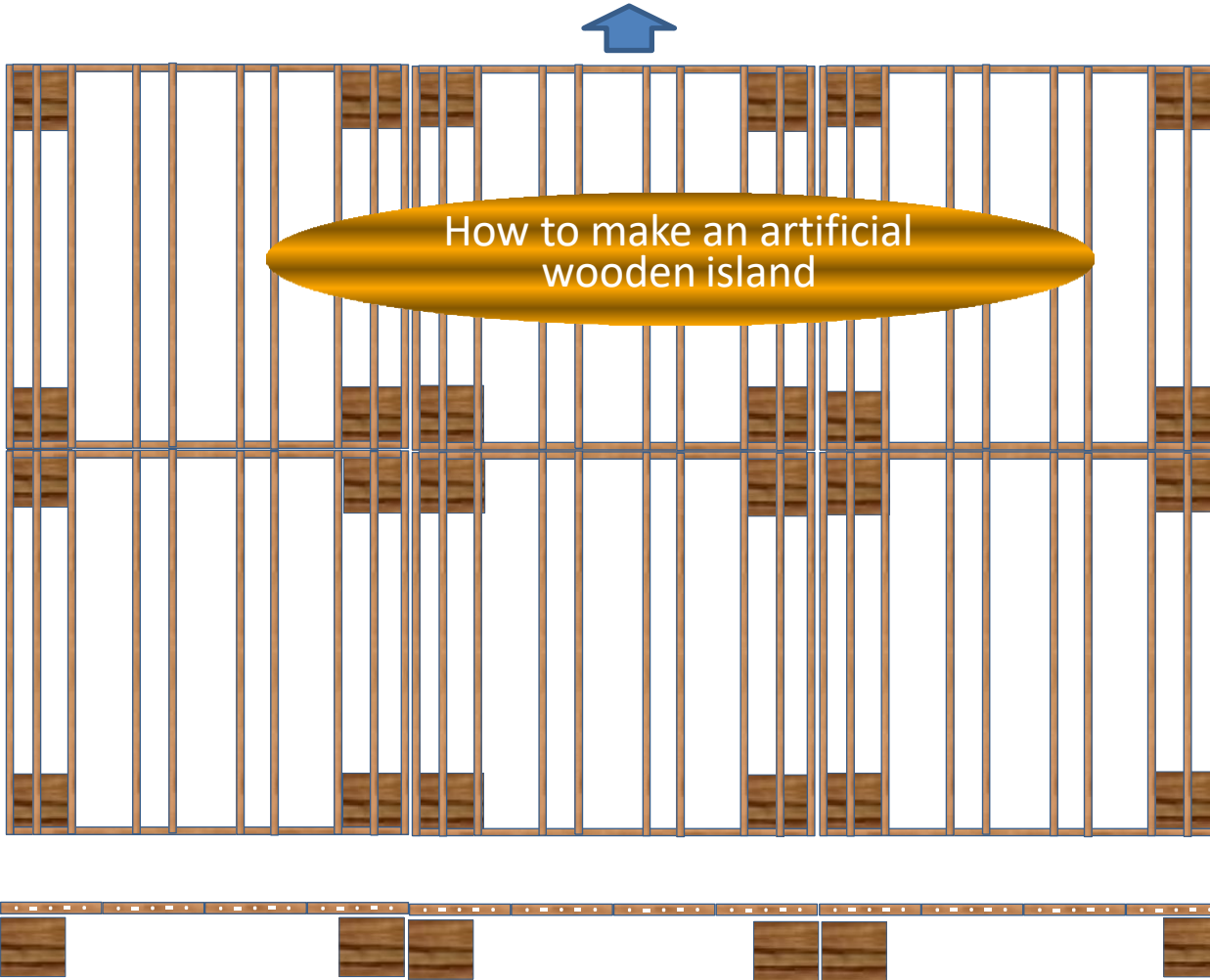
If the automatic battery exchange station can be used in common, the design and color of the vehicle are free.

Control system (Chat GPT): Ordered from Google Inc. Up to 100,000 units of Galaxy Express trains and hundreds of thousands of people's monthly reservation and cancellation status are grasped in seconds. We keep track of all individual additional reservations and cancellations, and dispatch vehicles in the most efficient way as a whole.

(Sound out the possibility of delays to passengers who seem to have time to spare)

□ 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.

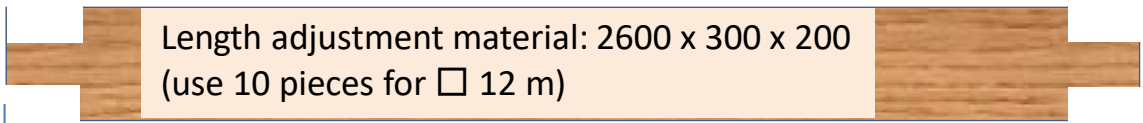
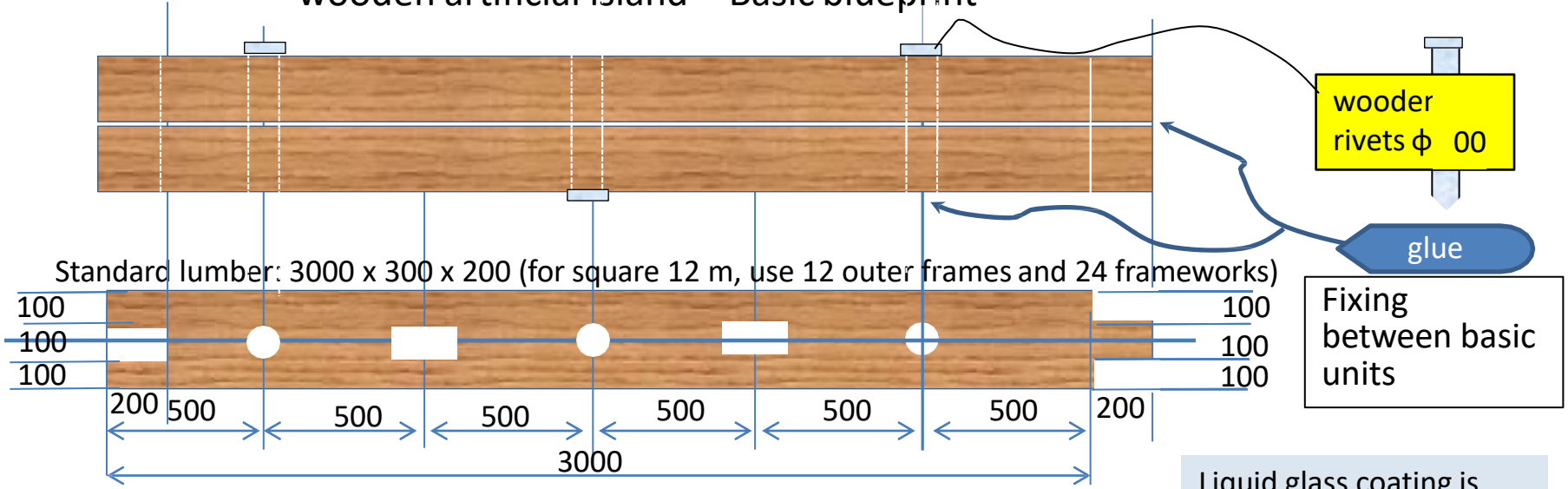
The lumber is processed to a predetermined size at woodworking factories (sawmills) in various places, temporarily assembled, the dimensions are checked, the parts are dismantled, brought to the ship as parts, reassembled on board, and cranes are assembled. Lower it with

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

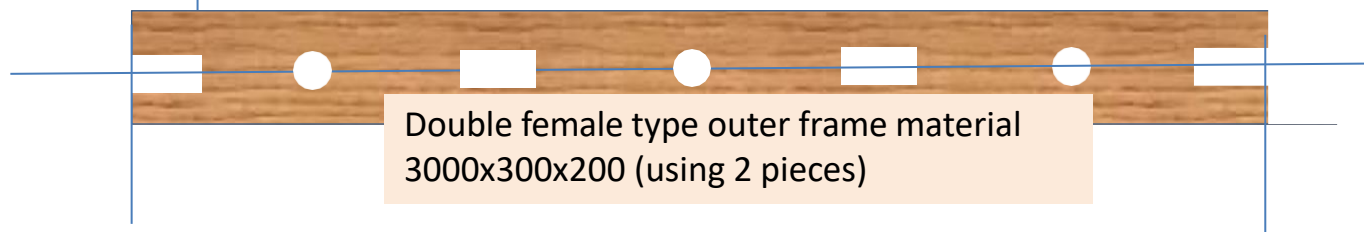
Houses and buildings are directly constructed and installed while distributing the load. Others put an average of 200 layers of soil on top of boards with an average thickness of 200 layers.

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.

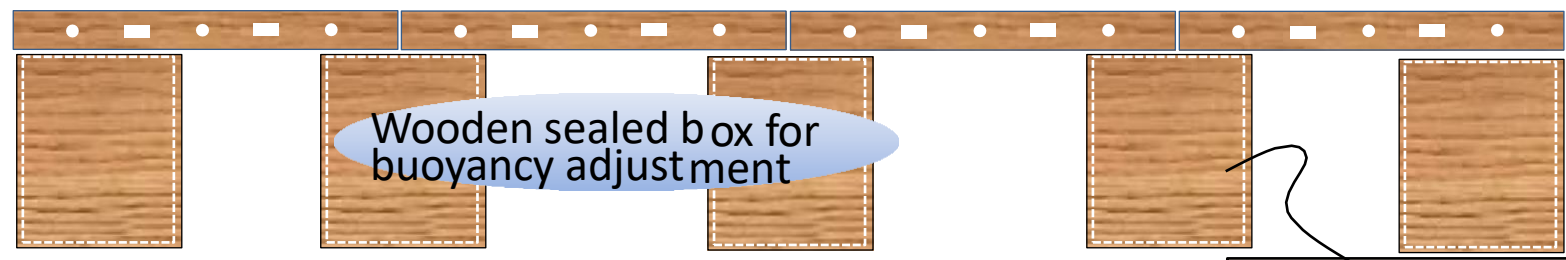
wooden artificial island Basic blueprint



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



No metal used, only self-contained & adhesive

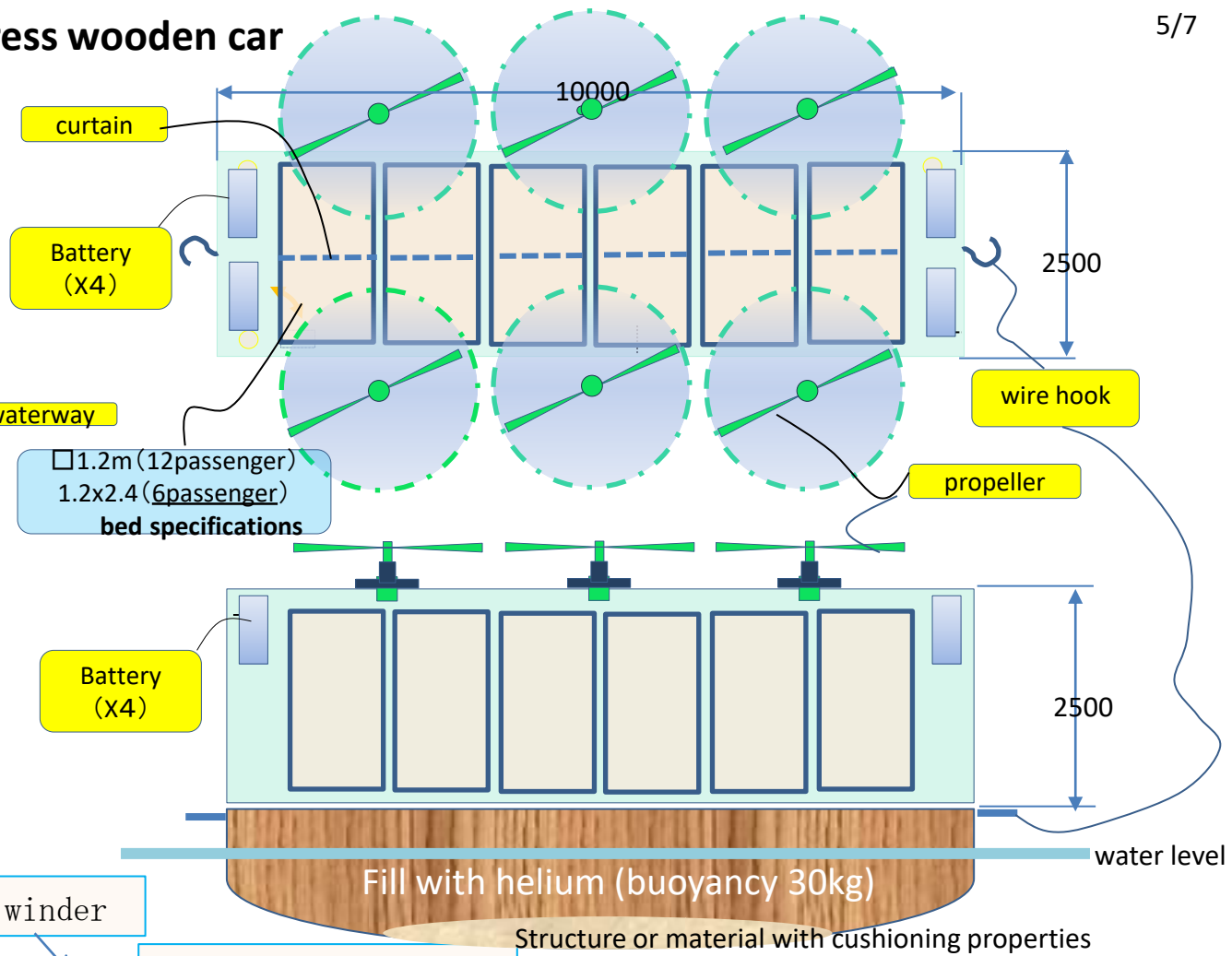


Wooden airtight box (the number and total volume are determined according to the load)

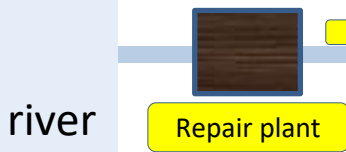
wooden island unit : \square 6m、 \square 9m、 \square 12m、 \square 15m、...

galaxy express wooden car

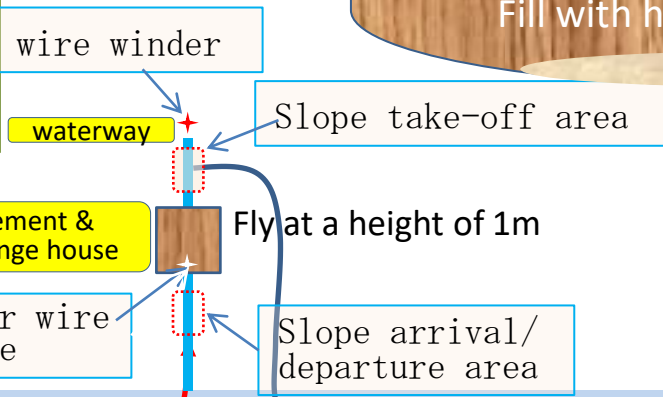
In low-altitude flight, even if the propeller breaks down, the propeller rotates slowly while lowering the number of revolutions, making a soft landing. If there is a ship, etc. within \square 200m in front, wait until it leaves the water.



\square 1.2m (12 passenger)
1.2x2.4 (6 passenger)
bed specifications



There are TV monitors on both sides of each room, and you can see the camera images in the direction of travel and behind. In addition, there is a touch panel attached to the inside of the door, and it is possible to issue instructions for the next reservation, reservation change, and getting off for the restroom or shopping.



Advantages of the water channel port:
Less burden on the bottom, and the shape can be appropriate.
Wires on both ends for precise positioning

Fly at a height of 3m Ocean

Galaxy Express Overview (12P, 30~50km/h)

In the figure on the previous page, as a safety measure in the event of a failure or fall, a large drone is designed to fly at 1m above ground and 3m above water. In addition to that, by using a soft seat and bed, the damage to the body when falling is almost zero. It may fly as high as required when the lower side is safe and there are no passengers. (Assuming a maximum of 100 m or less)

As a collision avoidance system, if there is another vessel within 200m square ahead, it will land on the water, stop the propeller, and wait until the vessel leaves the square 200m ahead. In addition, if the vessel, etc. continues to exist without moving at all, it will detour and fly while creating a situation where there is no vessel, etc. within 200m ahead.

A hook that can be pulled with a wire is set in front and behind the large drone, and the drone can be pulled by wire on the hook, whether on the sea or on land (on land, a vinyl sheet or the like is laid down to make it slippery). and can be pulled and moved by other large drones, ships, automobiles, etc.

Even if the vehicle malfunctions or runs out of battery at sea, a backup aircraft will immediately arrive on the water after receiving notification, tow the vehicle with wires, and transfer passengers to the nearest waterway port. conduct.

As shown in the figure on the next page, the large 6/7 drone is placed in a waterway, and the hooks on both ends are connected with wires. By interlocking two wire winders, i.e., one winder winds and the other winds back, the large drone can be precisely positioned on the waterway. become.

Wooden artificial island overview

A wooden frame is assembled, and multiple sealed wooden boxes are used from the bottom to adjust the buoyancy. Although it is a classic technology, it has been patented. "Patent 7112150 floating artificial island". Large-scale deployment of wave power generation and marine product agriculture to prevent global warming and save the food crisis.

Overview of automatic tree battery exchange house

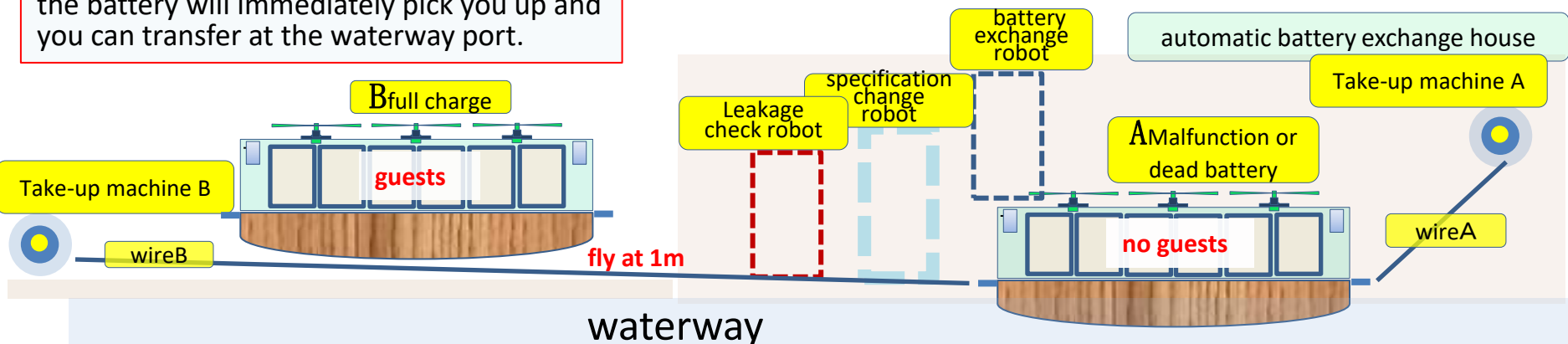
At the upper part of the waterway port, where various exchanges and checks are performed by robots, people attach and detach wires to the front and rear of the vehicle, but basically various tasks are performed according to instructions from the control center (chat GPT)..。

Since all the movements of passengers getting on and off are grasped, the schedule is automatically managed to determine which battery should be replaced where. (There is a lot of traffic in front of the ship in the direction of travel, so it will wait many times and consume energy to start, so even if the battery runs out, it will recover quickly.)

The specification change robot exchanges units of two chair seats (the boundary is a wall and a curtain type for family members, etc.) and a bed type.

Galaxy Express Safety Management System

Even if the battery runs out or breaks down, a fully charged drone that has just replaced the battery will immediately pick you up and you can transfer at the waterway port.



In the waterway, it is towed by the wire of the winder. The interlocking of A&B's winding machines enables precise positioning, allowing various robots to perform their work correctly.

