

Yugumo Standard Interior Transportation Systems

The standard shipboard and space station transit systems for the [Yugumo Corporation](#). Introduced in [YE 45](#).

History and Background

In [YE 45](#), the [Yugumo Corporation](#)'s [Yugumo Fleetworks](#) division sought to continue the standardization of its interior modules for the ships it produced. They proceeded with the design of new passageways, lifts, and for larger projects a light rail system. The systems were designed concurrently to ensure that they were integrated seamlessly. The first design to get the new standard features installed was the [Tengumo-Class Space Station](#).

Yugumo Standard Passageways

A starship's corridors are essential passageways that connect various compartments and areas within the vessel. They serve several important functions, including facilitating the movement of crew members, providing access to key ship systems, and offering a means of evacuation in emergencies. The passageways follow the [Design Ethos](#) of [Yugumo Fleetworks](#) and although a customer can request custom color schemes, by default, the station comes in the standard [Yūzuki^{1\)}](#) livery.

Yugumo Standard Passageways	
Year of Creation	YE 45
Designer	Yugumo Fleetworks
Nomenclature	Type 45
Manufacturer	Yugumo Fleetworks
Fielded by	Yugumo Corporation , Yugumo Merchant Spacy
Availability	Mass Production
Starship	

Yugumo Standard Passageways



Space Station




Here's a description of typical passageways:


Dimensions

Starship corridors are typically narrow (2m wide x 5m tall) on a starship, and wider on space stations (6m x 5m tall). They are utilitarian spaces designed to maximize interior space efficiency while minimizing material usage. They can vary in size sometimes on specialized starship classes but are generally wide enough for two people to walk side by side.

Lighting

The corridors are well-lit, often with recessed or wall-mounted  [laser diode](#) lighting to ensure visibility. Lighting levels are adjustable through [KAIMON](#) to accommodate different tasks or scenarios.

General Construction

Walls are constructed from durable, lightweight composite alloys lined with [Yarvex](#). They may feature [damage control alcoves](#), [escape pods](#), access hatches, storage, and emergency [KAIMON](#) controls. Floors are generally polished black with a non-slip  [polymer](#) coating. Ceilings are generally the same as the walls except they have conduits for the [Utility Fog and Environmental Systems](#) as well as [fire suppression systems](#).


Signage

Corridor feature [volumetric](#) signage indicating directions to different sections of the ship, emergency exits, and safety instructions. They also often provide access to information about the ship and its current mission.

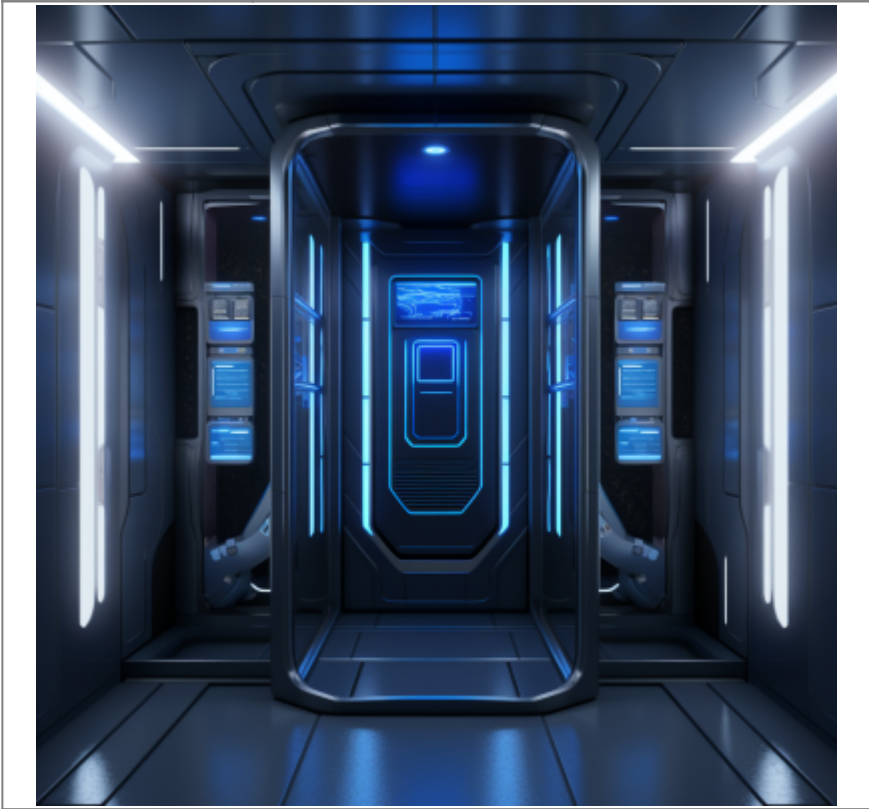
Handrails and Safety Features

In areas where the ship might experience artificial gravity fluctuations or during combat situations, handrails or safety straps are available automatically along the bottom of each wall to help crew members stabilize themselves.

Yugumo Standard Lifts

Starship Lifts, also known as elevators, are essential components of starships. They serve as a means of vertical and horizontal transportation within the vessel. They are designed to move crew members, passengers, and cargo between different decks, levels, and compartments efficiently and quickly. The lifts use dedicated  [graviton generators](#) to modify the gravity in the area of influence and to propel the lift through the shaft, rather than the older magnetically driven models.

Yugumo Standard Lift	
Year of Creation	YE 45
Designer	Yugumo Fleetworks
Nomenclature	Type 45
Manufacturer	Yugumo Fleetworks
Fielded by	Yugumo Corporation, Yugumo Merchant Spacy
Availability	Mass Production



Here's a description of typical starship lifts:

Multi-Directional

Unlike traditional elevators, the standard lifts are capable of moving in multiple directions, including up, down, left, right, forward, and backward. This versatility allows them to traverse the complex, three-dimensional interior of a starship.

Control Systems

Starship lifts are operated through the ship's [KAIMON](#) systems. Passengers can input their desired destination, and the lift's computer system calculates the most efficient route to get there. The lifts are known for their speed and efficiency. They can transport passengers across vast distances within the ship in a matter of seconds, making them a convenient and time-saving mode of transportation.


Security Measures

Lifts are equipped with various security features, including biometric scanners and authentications through [KAIMON](#), to ensure that only authorized personnel can access certain decks or areas.

Safety Protocols

In the event of power failures, system malfunctions, or emergencies, starship lifts are designed with safety features like emergency brakes, backup power capacitor systems (8 hours of charge), and communication systems for passengers to request assistance.

Design and Aesthetics

The interior of starship lifts features comfortable design elements like  [laser diode](#) lighting to create a visually appealing and comfortable atmosphere for passengers. At the customer's request [volumetric displays](#) displaying information or entertainment during transit can be added.


Cargo Lifts

In addition to passenger lifts, starships also have cargo lifts or freight elevators designed to transport larger items up to the size of a [SSCC Large](#), equipment, or supplies between different parts of the ship. These lifts are more robust and can accommodate heavier loads.

Emergency Evacuation

Starship lifts are integrated into the ship's emergency evacuation procedures. In the event of a ship-wide emergency, they can be programmed to transport passengers to designated safe zones or an ["Ikigai" Type 43 Escape Pod](#).

Yugumo Standard Light Rail Transit

A space station or occasionally a large starship class has a light rail transit system, solely reliant on  [graviton-based](#) generators instead of the traditional maglev, which represents a cutting-edge mode of transportation designed to efficiently move passengers around the microgravity environment of the station. This innovative system is a safe and reliable means of transit within the station.

Yugumo Standard Light Rail Transit	
Year of Creation	YE 45
Designer	Yugumo Fleetworks

Yugumo Standard Light Rail Transit	
Nomenclature	Type 45
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Graviton-Based Propulsion

At its core, the system relies on the manipulation of gravitons, the particles responsible for the force of gravity. Gravitons are employed to generate localized gravity fields for propulsion, enabling movement in all directions, including upward and downward, without the need for conventional tracks.

Transit Pods

Passengers travel within specialized transit pods equipped with graviton generators. These pods come in various sizes to accommodate different group sizes, from individual or couple cabins to larger compartments for families or groups. The pods are designed with aerodynamic shapes and spacious, transparent windows for passengers to enjoy breathtaking views of the station's interior and exterior.

Gravitational Control

Each transit pod's graviton generator creates a precisely controlled gravitational field, allowing for

smooth and flexible movement. Passengers experience a sensation similar to Yamatai's gravity, ensuring comfort during their journey. The intensity and direction of the gravitational field can be adjusted to facilitate acceleration, deceleration, and direction changes.

Network Integration

The transit system is seamlessly integrated into the space station's infrastructure, with multiple transit stations strategically positioned throughout the station's habitable areas. Passengers can easily access the transit system via designated boarding areas within the station's modules and habitats.

Safety and Redundancy

Safety is of paramount importance in this advanced transit system. Multiple redundancies and fail-safe mechanisms are in place to ensure passenger well-being. Automated collision avoidance systems, emergency braking protocols, and rapid response procedures are implemented to handle any unforeseen circumstances. All of these systems are controlled by KAIMON. In the event of gravity failure, the independent power systems of each train pod will ensure normal operation to the nearest station or drop-off point.

OOC Notes

Andrew created this article on 2023/09/21 09:01.

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Products & Items Database	
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Product Name	Yugumo Standard Interior Transportation Systems
Nomenclature	Type 45
Manufacturer	Yugumo Fleetworks, Yugumo Corporation
Year Released	YE 45

¹⁾
(夕月, "Evening Moon"

²⁾
<https://starmy.com/roleplay-forum/threads/tengumo-class-space-station.70964/#post-440922>

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