Personnel Transport "Stork"

The Personnel Transport is a Shuttle based Star ship used by the Mining Guild beginning in YE 41. This article can also be found on the Mining Guild Equipment page

About the Ship

The Mining Guild needed a way to transport their Personnel to the mining camps and the other Mining operations, and so they chose to create their own. This was the reason why they had the ship built since the Industrial shuttle they used to ferry ore wouldn't be comfortable.

Key Features

The VHS that lets people sleep, and the Hard light entertainment system.

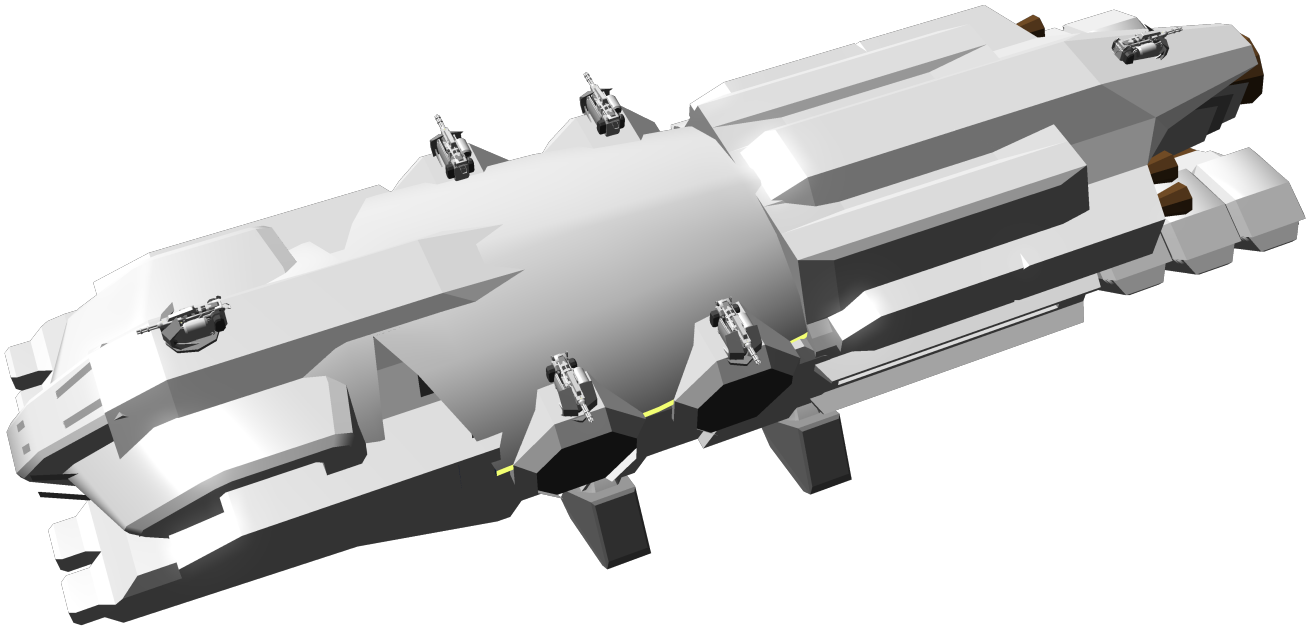
Mission Specialization

- Transport Personnel to and from the Camps near the entrances to the Mines
- Transporting Personnel from Planet to Asteroid camp and to Terra Multa eventually.

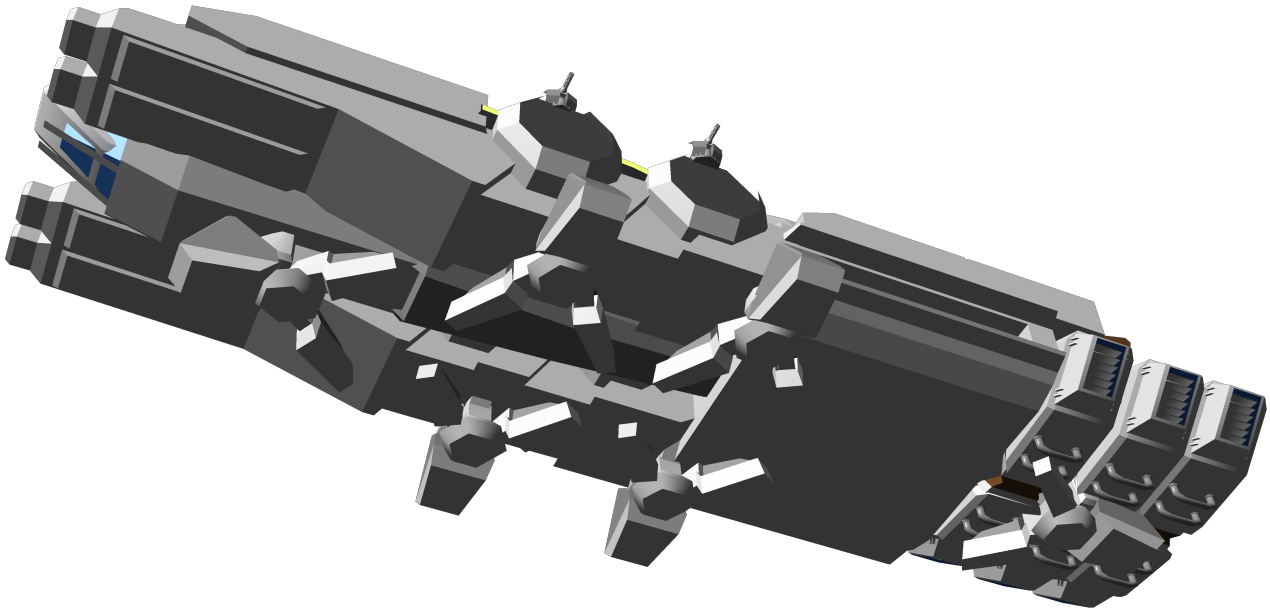
Appearance

The Mining Guild's Personnel transport, nicknamed the Stork, is a shuttle that can be described as a Metallic cockroach, which merged with a brick. This left the shuttle curved in some places, round at the back, on landing 6 "legs" come out, and once safely on the ground the door opens and a set of stairs come out. There are weapons on it, but it's meant for defense

Top View



Bottom View



History and Background

The Mining Guild trio knew they needed to find some way to transport their Personnel to the Mining camps, and off-world, they chose not to use a military-based Transport shuttle, because they were worried that something clearly military might be targeted so they came up with The Stork, named after

the little white lie that parents tell their young children. Costs were spent on safety and comfort costs for bedding, was instead spent on the VHS program.

Statistics and Performance

Here are stats for the Personnel transport

General

General information about the Starship

- Class: MG-Y1-1a
- Type: Shuttle
- Designers: Aeta Kurosaki, Nyx Pine,
- Manufacturer: Mining Guild
- Fielded by: Mining Guild

Passengers

Crew: 2 are Recommended and 1 is required

Maximum Capacity: There are accommodations for 18 people. About 25 people can fit aboard in an emergency, but the shuttle would be extremely cramped.

Dimensions

Here are the Dimensions of the Starship.

- Length: 20 meters
- Width: 10 meters
- Height: 8 meters
- Decks: 1 1/2

Propulsion and Range

- Falcon Tunnel Drive: 0.2ly/m with a jump range of 15ly max per jump.
- Sublight Engines: .30c
- Range: 1 month
- Lifespan: 20 years
- Refit Cycle: yearly.

Damage Capacity

See Damage Rating (Version 3) for an explanation of the damage system.

- Tier: 8 (Medium Mecha)
- Shields: 8 (Medium Mecha)

Deck Layout

The interior of the shuttle is laid out with the cockpit being to the left of an individual that enters the transport on the left side. Near the entrance, there's a cabinet for first aid requirements, and the wall, it's attached to ends up in a set of railings that allows the viewing of the lower observation area. In between the raining is a ramp that leads into the Lower observation area for about two steps. Then it's five steps until the entrance to the passenger seating area. At the back is a bulkhead hatch, which would take an individual into a lower area that holds the Miners Power armor, which has a ramp that could be lowered so they can leave.

Bridge

The cockpit has room for two to sit there, with two pilot stations with their own control alcoves, volumetric displays and controls surrounding the pilot seat in a square. The false windshield is just a screen that relays the feed from the hull's embedded optical sensors in real-time to give the illusion of being a window. Much like in the back there is a VHS under each arm, allowing the pilots to sleep when it's possible.

Lower Observation

The Lower observation area of the Transport is an area that has workstations, that allow the workers to make observations of the excavations, and it is here, that has crane operations in the case Miners need extraction from an unsafe area where there is no landing area big enough for the transport. It can also be used to watch for debris when the transport is landing on rough surfaces.

Personnel seating

The Personnel section of the shuttle is tall, and open, which was hopes of making sure that the taller Personnel [Separa'Shan and tall Nekovalkyrja and ect were comfortable as they move about the space. Much like on the Bolt Shuttle, 18 seats fill the space in rows of three, the first and last facing inwards, and the second rows facing the first. Overhead a slot can drop down for the passenger and the pilot's luggage. Under the left armrest is a slot that holds a helmet connected to the Virtual Home Sleep system for rest. There was an Aisle leading from the Personnel seating to the hatch that connects the cockpit to

the passenger bay.

Crew Recreation

Hard-light holograms can appear between the seats that allow two to play card games or for two to read books if they want to.

Refresher Areas

A small enclosed area, with species-specific areas that has a sink for washing hands and a toilet and shower as well as a slot for toiletry supplies, and towels and specific medical needs especially for women. with space needed sacrificing it is tight, but with enough room for one person to stand unhindered.

Power Armor Bays

There is a level that is reserved for the Power armor with rows of power armor bay for the new Miners to store their power armor.

Ship Systems

Armored Hull and Hull Integrated Systems

A tier 8 Ships hull structure is composed of a combination Durandium and ADNR (Aggregated Diamond Nanorods). It also has a layer of a gel that is resistant to heat, energy, and kinetic-based damage. This gel is flexible, and because of that and its state of matter, it can also fill in space between the layers of graphene sandwiched Osmanium spread throughout. the gel is also very resistant to kinetic forces -as the force of an impact is simply absorbed and spread outward by the jiggly substance. The gel is resistant to excess energy exposure (including magnetic) due to being composed of silicon-based materials and traces of rubber-like matter; it is not, however, immune to electromagnetic pulse weapons - it's simply more resistant than usual. Lastly, the gel is highly absorbent to heat - and will radiate it off over time - due to the properties of its state of matter and composition. This is within a shell of Aegium, which also makes up the support structure deeper within.

Computers and Electronics

The computer that is installed on the Stork is a Knight type AI which was a part of the Destiny AI list. Nyx Pine thought that the Knight AI might be suitable until she could get something better, thus the AI came with the Knight type Sensors. The Transport’s AI is also linked to the other Mining Guild’s AI

communications: Knight Type communication system

Emergency Systems

A bank of 40 BW-PC-1B "PowerPak", acts as an emergency power source in the event that the main drive's power cores die. This will ensure that comms, life support, and sensors continue to receive power for three weeks. Alternatively, power can be routed to the engines for one week to all systems for at a maximum of up to one week.

Life Support Systems

On all Mining Guild ships and the Space Station have External Respiration Kit provided some air, as well as cleaning and also Life Support which aids in cleaning the air that the organics breath out as well as the water needs of Organics. due to the lack of beds, there are Virtual Home Sleep for long term flights

Propulsion

Helix Plasma Engines of large sizes arranged at the back of of the craft, as well as the thrusters. The drive system for these are powered by 8 Plasma based Power cores, providing them 1 month of power, and therefore 1 month of flight time.

Shield Systems

The Personnel transport is protected by the New Dusk Conclave's Paladin Barrier System

Weapons Systems

For defense only, the shuttle is armed with the New dusk conclave's Rotary Chain gun numbering in 6, which has a damage rating of 3

OOC Notes

Charaa created this article on 2019/09/06 10:02.

Jack Pine was kind enough to help with the images as well as help me with getting them here.

- Approval Thread

Products & Items Database	
Product Categories	small craft

Products & Items Database	
Product Name	Personnel Transport "Stork"
Nomenclature	MG-Y1-1A
Manufacturer	Mining Guild
Year Released	YE 41
Price (KS)	400.00 KS

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