

Technical Specifications of "The Tower" (formerly Arcadia Station)

General Overview:

- **Name:** The Tower (formerly Arcadia Station)
 - **Location:** Lagrange Point 4 (L4)
 - **Original Purpose:** Scientific research station and space habitat
 - **Current Purpose:** High-security prison for Quasar-class individuals
 - **Year Built:** 1992
 - **Recommissioned as The Tower:** 1994
 - **Maximum Capacity:** 60 Omega-level Quasars
 - **Support Staff:** 24 personnel
 - **Security Staff:** 36 personnel
 - **Procedural Build:** Materiel and personnel were transmitted by Shimmer (of Team Liberty), and later by Brahma (The Devas). Original heavy lifting was done by Titanium (Team Liberty) and Pilot (US). Later modifications were aided through the work of Titan (Team Daedalus).
 - **Primary Material:** Reinforced titanium-aluminum alloy, graphene composite plating, and layered Q-Tech energy shielding
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Structural Information:

- **Planetoid Dimensions:**
 - **Size:** 15 km diameter
 - **Type:** Natural asteroid trapped in the L4 gravity well
 - **Mass:** Approx. 1.6×10^{12} kg
 - **Core:** Metallic, with hollowed interior sections for housing and operational infrastructure
 - **Gravity:** Artificial gravity maintained at 0.9g through high density mass-induction fields amplified by Q-fields and powered through specialized fusion battery arrays.
 - **Station Dimensions:**
 - **Total Surface Area (Inhabited):** Approx. 1.5 million square meters
 - **Main Tower Height:** 500 meters from surface base to top
 - **Prison Complex:** Subterranean structure within the planetoid, spanning several kilometers with a radial layout around the Tower Core
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Key Facilities:

1. **Main Tower Complex:**
 - **Prison Core:** Primary containment area for Quasar prisoners, with individual reinforced cells.
 - **Cell Design:** Each cell is designed with adaptive Q-tech energy oscillation fields capable of nullifying the abilities of various classes of Quasars.
 - **Guard Towers:** Surrounding the central core, five smaller auxiliary towers act as guard posts, outfitted with long-range energy cannons and sensors for both internal monitoring and external threats.

2. Docking Bay:

- **Capacity:** Can house up to four SHRIKE class vessels.
- **Purpose:** Used for prisoner transport, supply deliveries, and security staff rotations.
- **Docking Systems:** Automated docking arms equipped with magnetic clamps and Q-field generators for energy-based ships.
- **Defense Systems:** Hardened bay doors with particle shielding, flanked by two heavy turret batteries.

3. Transport Bays (2):

- **Capacity:** Regular shuttles can be used for physical transfers, short-range security patrols, and prisoner relocation.
- **Transport Landing Fields:** Two externally faced transport landing fields, covered through a magnetically-charged atmosphere trap to allow pressurization and depressurization at a moment's notice.
- **Layout:** Accessible through vertical hangar shafts leading from the Tower's surface to the asteroid's outer skin.
- **Maintenance Bays:** Built within, the bays are equipped with repair facilities for both vessels and external drones.

4. Security Systems:

- **Containment Fields:** The entire prison is layered with overlapping energy fields using Q-Tech to counteract Quasar abilities. This ensures that no single prisoner can exploit weaknesses in containment.
- **Surveillance Network:** AI-driven sensor arrays and continuous live-feed video surveillance throughout all high-priority areas.
- **Defense Grid:** The Tower is encased in a combination of particle shields and armored plating, making it resistant to attacks from both conventional and Quasar-powered weapons.
- **Anti-Escape Measures:** Automated drone patrols, stasis-lock chambers for dangerous inmates, and gravitational field projectors to trap high-speed or teleporting individuals.

5. Living Quarters:

- **Staff Quarters:** Two distinct sections, one for support staff and another for security personnel. Both are designed with reinforced bulkheads, independent life support, and emergency evacuation routes.
- **Medical Bay:** Fully equipped to handle injuries, Quasar-specific conditions, and psychological evaluations. Includes containment cells for emergency isolation.

6. Power Systems:

- **Primary Power:** Fusion reactor cores providing uninterrupted energy.
 - **Backup Power:** Q-Core Auxiliary generators able to maintain all primary security systems for up to 72 hours in the event of a main power outage.
 - **Solar Panels:** Planetoid surface is embedded with multiple large-scale solar panel arrays to augment the station's power supply.
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Technology and Infrastructure:

- **Artificial Intelligence:** Overseer-class AI named "**Morpheus**" tasked with managing station operations, controlling environmental systems, overseeing the security network, and analyzing potential threats or prisoner activity.
- **Life Support Systems:** Atmosphere recyclers and bio-support systems ensure oxygen levels and climate control are maintained in all inhabited sections.
- **Communication Systems:** Long-range encrypted quantum communication arrays, capable of real-time communication across interplanetary distances.
- **Prisoner Management System:** Advanced biometric scanning and AI-monitored restraints tailored to individual Quasars' power sets.

Historical Background:

- **Arcadia Station (1992-1994):** Originally constructed as a scientific research facility under a joint venture between the **Daedalus Foundation** and **NASA**, Arcadia Station was built into a naturally trapped planetoid at the L4 point. Initially intended to study cosmic phenomena and Quasar energy fields in microgravity, the station served as a remote outpost for cutting-edge experiments.
- **Recommissioning as "The Tower" (1994):** Following a series of high-profile Quasar escapes and a global outcry for secure containment, the United Nations Special Commission on Quasar Security (UNSCQS), acting as a directive from UNCOS, repurposed the station into a high-security prison for dangerous Quasars. The original Arcadia Station facilities were significantly modified to include containment chambers, dampening technologies, and advanced defense systems.

Security and Defense Features:

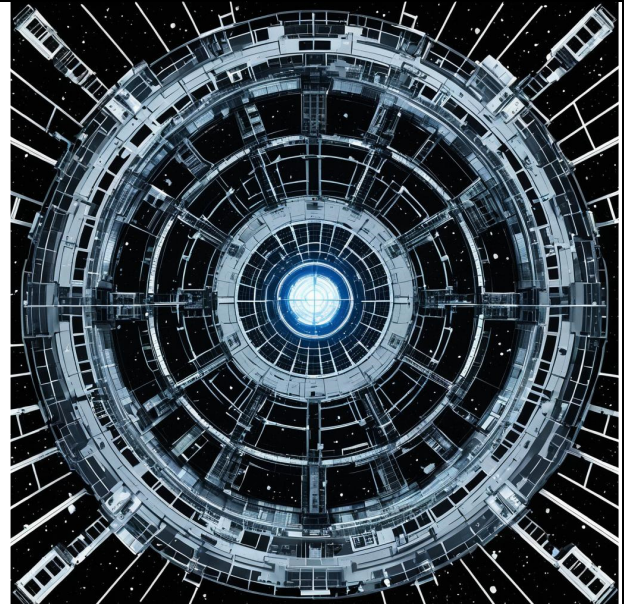
- **Exterior Shielding:** Triple-layered kinetic and energy shields capable of absorbing high-yield Quasar attacks of various power types, space debris impacts, and external weaponry.
- **Drone Fleet:** 24 fully-automated defense drones patrolling the perimeter of the station, each equipped with LANCE-Class Smart Missiles and Q-field disruptors.
- **Emergency Evacuation Pods:** Located near key staff sections, each pod is equipped with life support for up to 30 days and can escape the gravity well to rendezvous with nearby rescue satellite shelter.

Notable Prisoners:

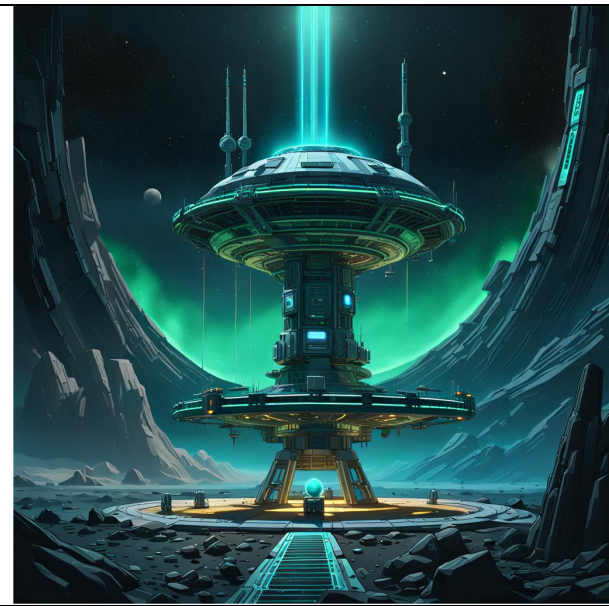
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|----------------------------|--------------------------|
| • Pilot | • Maniac Butcher |
| • Armadillo Max | • Micron |
| • Black Thunder | • Midnight Hornet |
| • Blood Mantis | • Molly Qule |
| • Brutalizer | • Red Glacier |
| • Bull Rush | • Savage Wing |
| • Condor | • Scimitar |
| • Double Down | • Solitaire |
| • Duron (The Sound) | • Swifthammer |
| • Firecat | • The Ghoul |



Outer View of the Tower



Top View of the Tower



Tower View from Landing Field



Teleportation Landing Site and Tram