

New Taiie



WIP: This article is a work in progress and is not yet approved for usage in the RP.

New Taiie is a large ring-shaped artificial habitat being built by the [Yamatai Star Empire](#) in the [Kotori Star System](#).

Overview

The design of New Taiie is essentially an enlarged [Bishop ring](#) similar to the [Orbitals](#) in Ian Banks' *The Culture* books.

Its purpose is to eliminate the Taiie Nebula and create more useful habitat for Yamatai. The recreation of Taiie is also a symbolic gesture to show the recovery from the [First Mishhuvurthyar War](#) and [Second Mishhuvurthyar War](#). It is planned to primarily use land for farming.

Size & Construction

New Taiie has a radius of 2,500 kilometers (1553.43 miles) and a width of 500 kilometers (310.686 miles) giving it an approximate surface area of 9.8 million square kilometers, about equal to the real-world [United States of America](#) (about 9.6 million sq km) or [Canada](#) (about 9.98 million sq km). The ring was built as over 157,000 25-by-25 kilometer square chunks of interlocking Zesuaium framing filled in with a thick layer of carbon nanotubes and then, once joined to the ring, coated in a layer of molten rock and finally surface dirt. The manageable size of the chunks allows them to be built using some of the [Star Army of Yamatai](#)'s shipyards.

Due to the the size of New Taiie, the atmosphere is held in by the ring's rotation. There is no “roof” required and spacecraft can fly onto the surface freely. A transparent “wall” on each edge of the land keeps air from escaping from the side.

History

In [YE 36](#), the Empress asked the [Star Army of Yamatai](#) to build a new mega-structure. After reviewing the various locations throughout known space, the Star Army chose Taiie for its symbolism and as a clean-up project. Immediately the Star Army purchased a half-million worker robots¹⁾ as additional labor for the project.

Actual construction of the ring began in [YE 36](#) using the [Taiie Nebula](#), which consisted of the remains of the [planet Taiie](#) after it was destroyed in [YE 29](#).

RP Locations

- Taiie Memorial: A complex where the names of those lost in the destruction of planet Taiie are engraved.
- The Farmlands
- Fort Taiie

OOC Notes

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¹⁾
<http://stararmy.com/roleplay-forum/index.php?threads/emrys-star-army-purchase-order.15143/>

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