

Elon Musk's SpaceX has plans to construct a moonbase known as Moon Base Alpha sometime in the near future. According to Grok, plans could be as soon as sometime this year (2024).

The lunar base would be built using modified Starship vehicles that can be decommissioned and repurposed into habitats. A moonbase would be built on the surface of the moon rather than only in orbit which would allow astronauts to work and possibly live on the moon. The idea is to use the entire internal volume of the Starship, including the fuel tanks, to create a larger and more capable base.

This would not only provide a place for astronauts to live and work, but also offer opportunities for other entities to rent space and generate revenue. NASA is also planning to set up an Artemis Base Camp on the moon. This would include a "lunar terrain vehicle" and a "habitable mobility platform" to support longer trips away from the base.

This timeline isn't set in stone and it could take a bit longer for these things to come to fruition.