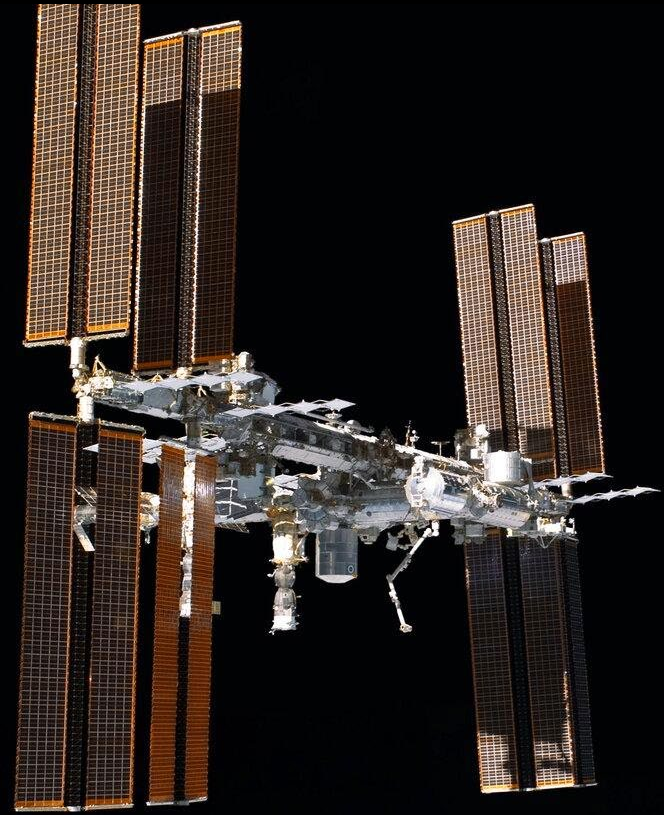# VAST

Building Next-Generation Space Stations

Founded in 2021 by Jed McCaleb, Vast is building next generation space habitats and pioneering the next giant leap toward long-term living and thriving in space.

VAST

Our focus this decade is to win the NASA Commercial LEO Destination (CLD) contract and build the successor to the International Space Station (ISS)

To win, we will demonstrate that we can build and operate the world's first commercial space station Haven-1, launching in 2025

Haven-1

The World's First Commercial Space Station

- 2-week missions / 3-year lifespan
- 45 m³ of habitable volume
- Personal sleeping quarters
- Large window
- Communal dining table
- SpaceX Starlink connectivity
- 10x payload facilities
- Designed for commercial activities

Haven-1 Progress
October 2024

Haven-1 Primary Structure
by VAST

Types of Missions

Government Astronaut Missions
Comprehensive facilities for
advanced customer requirements

Private Astronaut Missions
Experience the most capable
human-centric habitat

Payload Missions
Crewed and autonomous science,
research and manufacturing
laboratory

VAST

NASA Program Updates

CCSC-2

- In May 2023, NASA awarded Vast the second Collaborations for Commercial Space Capabilities (CCSC-2) initiative.

Private Astronaut

- Vast is bidding on Private Astronaut Missions (PAMs) 5-6 to the ISS.

CLD Phase II

- Haven-2 to bid on NASA's Commercial LEO Destinations (CLD) Phase II Contract.

VAST

Haven-2

Designed to succeed the
International Space Station

- Designed for NASA certification
- First module operational in 2028, fully built in 2032
- Common module design increases build speed and reduces cost
- 9 modules, 611m³ of habitable volume and 86 kW total power
- Designed for both government and commercial use
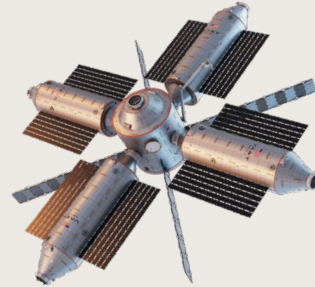- Built on the heritage and technology of Haven-1

Timeline

Starting in 2028, Haven Modules will launch approximately every 6 months, with a final station configuration slated for 2032
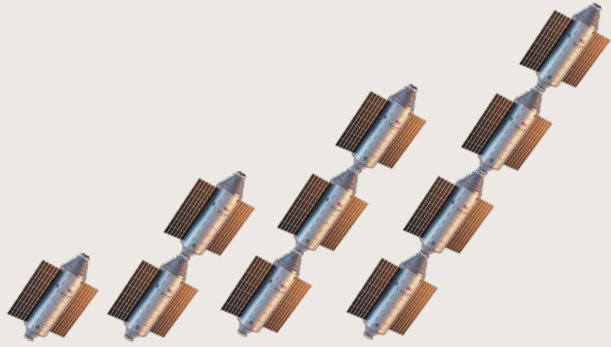
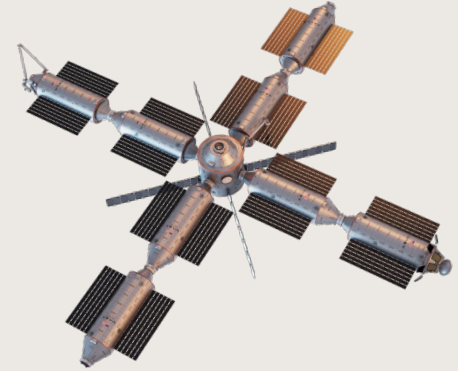## 2028

4 Module Build up

Haven Modules launch every 6 months, connecting to form a sequential station by 2030

2030

4 Modules + Core

The original 4 Haven Modules reconnect to a Haven Core, forming a robust cross-configured station in 2030

2032

8 Modules + Core

4 more Haven Modules connect, forming a comprehensive 1-core, 8-module cross-configuration station by 2032

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