Starlab

Unleashing the Next Generation of Commercial Space Stations

Starlab Space is a U.S.-led, **global joint venture and network of partners** that is ensuring a continued human presence in LEO and a seamless transition of microgravity research from the ISS into the new commercial space station era.

The AI-enabled Starlab space station is being designed to facilitate groundbreaking research and innovation. Its advanced, user-driven design and robust capabilities make it a premier platform for scientific discovery and technological advancement in space.

IHI

Joint Venture & Strategic Partners

VOYAGER · AIRBUS · Mitsubishi Corporation · MDA SPACE

Palantir · Hilton FOR THE STAY · NORTHROP GRUMMAN · The Ohio State University

A Space Station Designed for Discovery

Launching on a single flight via SpaceX's Starship vehicle, Starlab will be fully outfitted with cutting-edge research facilities, allowing researchers to conduct pioneering studies, commercial industries to develop enhanced products, and space agencies to advance human space exploration.

Starlab's global team combines decades of flight heritage and human spaceflight experience. From habitat infrastructure and robotic arms to daily commercial payload operations, Starlab stands ready to lead in the new commercial space economy.

1 METALLIC HABITAT

Spacious crew quarters and laboratory (~450m3)

Regenerative Environmental Control & Life Support System (ECLSS) that continuously hosts four astronauts and can accommodate up to eight for short durations

2 SCIENCE AIRLOCK

Large science airlock with slide table for interior/exterior transfer of payloads

3 LARGE WINDOWS

Provide an expansive view of the Earth and external environment for the crew

4 EXPANSION PORTS (3)

Host multiple visiting vehicles

5 ROBOTIC ARM

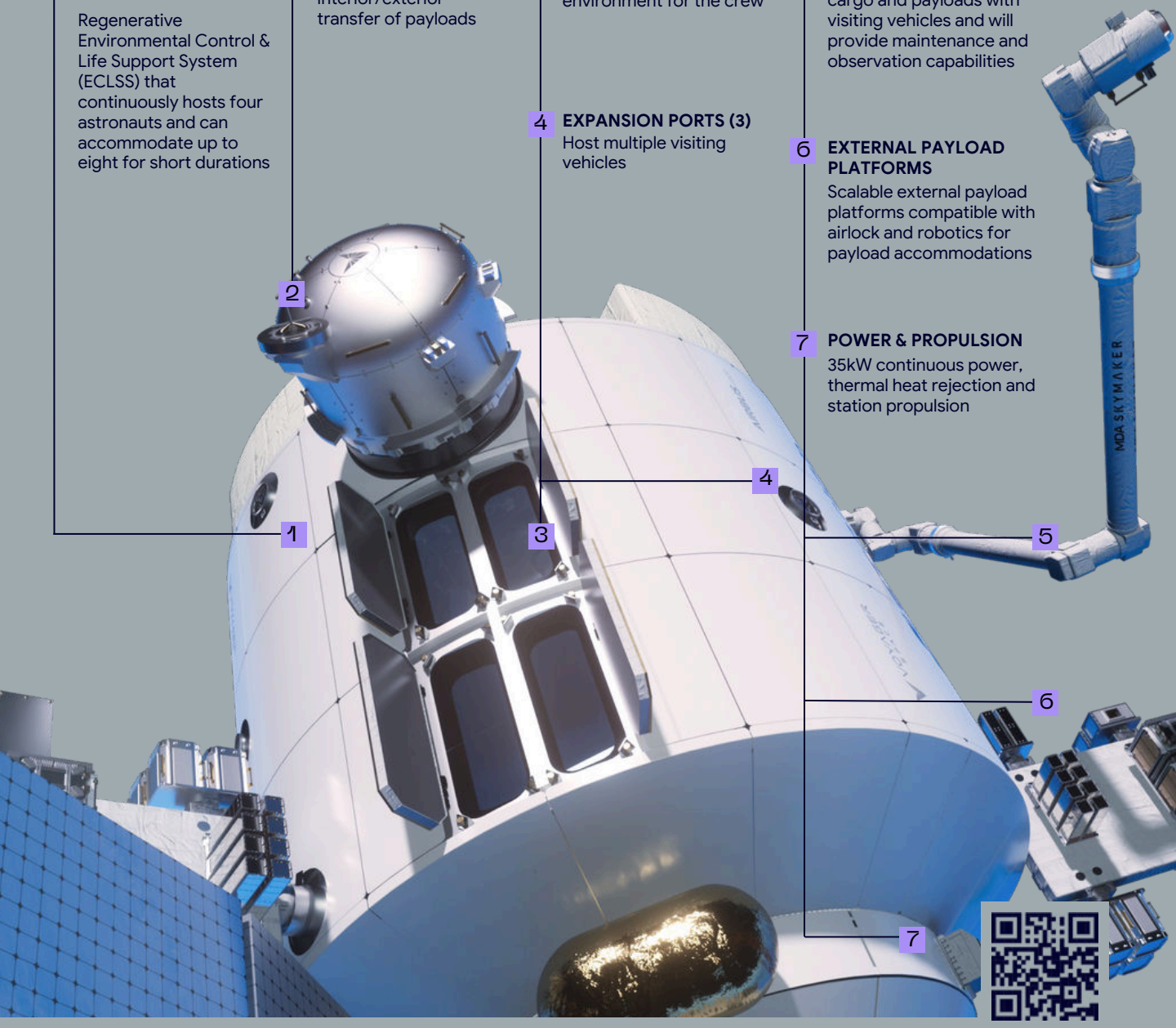
MDA SKYMAKER™ will transfer unpressurized cargo and payloads with visiting vehicles and will provide maintenance and observation capabilities

6 EXTERNAL PAYLOAD PLATFORMS

Scalable external payload platforms compatible with airlock and robotics for payload accommodations

7 POWER & PROPULSION

35kW continuous power, thermal heat rejection and station propulsion



info@starlab-space.com | starlab-space.com