





Antimatter-Catalyzed Micro-Fission/Fusion **Communications** Reactor Antennae

Extensible Spine and Inflatable Habitats

Upon extension, integrated series of docking hatches provide anchorage for inflatable habs, laboratory facilities, and storage access

Crew Drum

Main galley, tactical commons. crew pouches, recreation and exercise facilities, research modules (variable-gravity environment, 0.5G standard. significant coriolis effects)

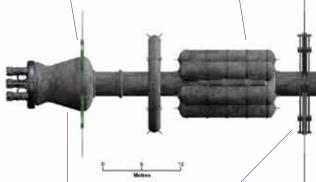
Mission Profile: Dark

Shuttle Lock

Intrasystem shuttle (3-seat capacity), low gravity lander (4-seat capacity)

Forward **Observation Dome**

Astronavigation and sensory arrays



Fusion Thrusters

Weyland antimatter-catalyzed nuclear pulse thrusters

Zubrin Ramscoop field generator

22TV Bussard cryomagnetic field for H+ filterfeeding and long-distance braking

Nanofabrication Drum

3D nanoassembly and materiel production facility, matter reserves, dual atmospheric/ vacuum extrusion ports

Biomedical Drum & Hibernacula

Infirmary, bio labs, head, 10 berth hibernacula

Service Module

Primary life support, hydroponic beds, air scrubbers, recycing, quantum Al logic centre

Control Module

Manual bridge, secondary life support, radiation shelter, emergency cryogenic tanks (3)

Dakini has a modular configuration which can be altered according to mission requirements. The module configuration shown is for Shackleton to Gateway launch of 2165.

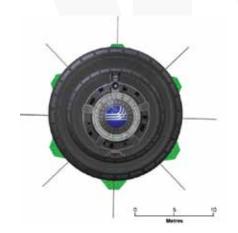
Resting Mass: 1642 tonnes. Length: 122.3m (unextended spine).

Maximum Width: 17.2 metres (Nanofabrication drum) **Propulsion:** Antimatter-catalyzed nuclear pulse drive.

Maximum rated burn: 3.2G sustained, 7.9G maneuvering Artificial Mind: Nentou III distributed AI, 10¹⁸-synapse equivalent

(Dakini).

Maximum Crew Complement: 10. Indefinite ecosystem integrity: 5 crew. **Cryogenic tanks:** 10 + 3 emergency.



RSV Dakini

Deep-space research/transport vehicle

