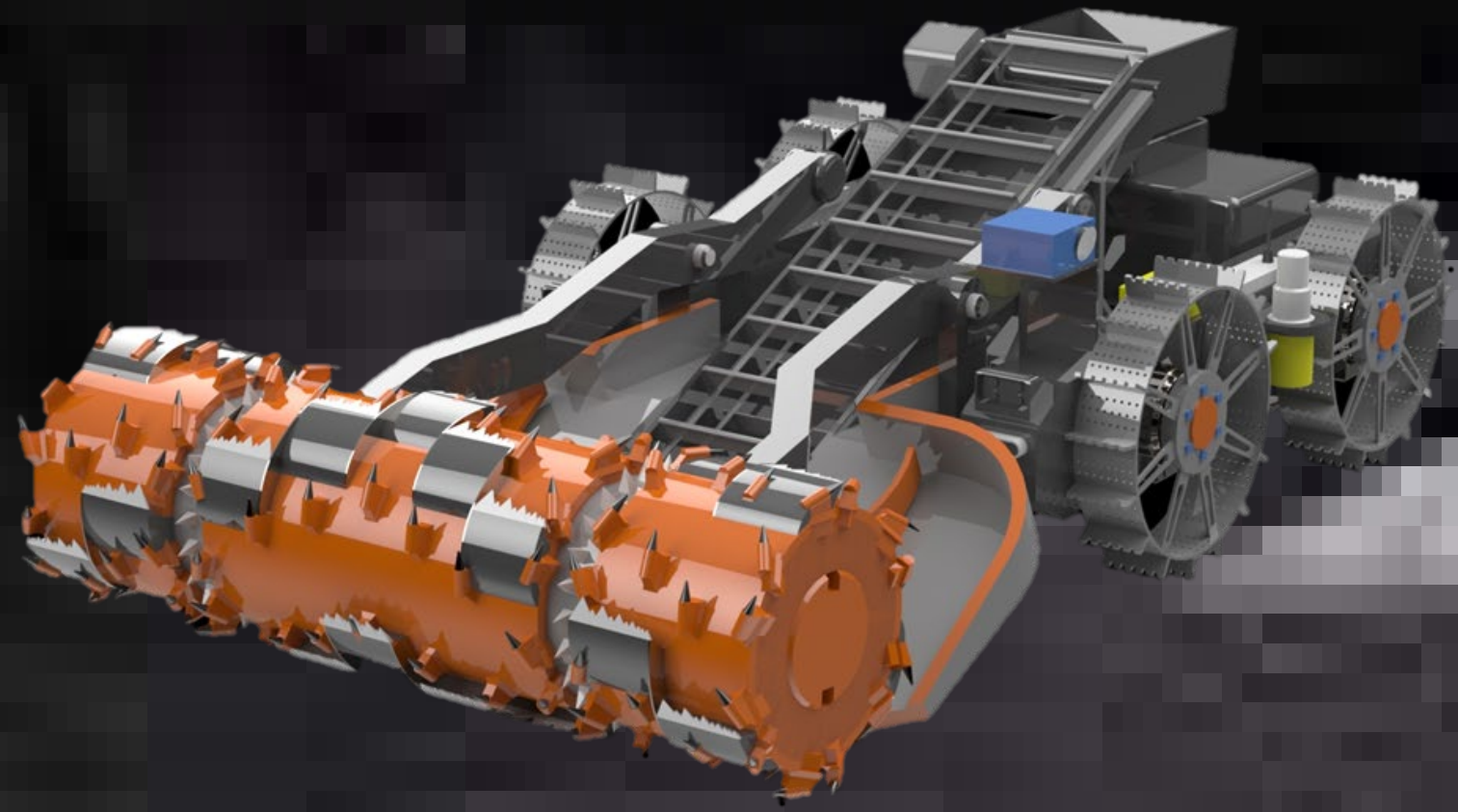


OffWorld is going to the Moon!



OffWorld Prospector 1

Mission Objectives

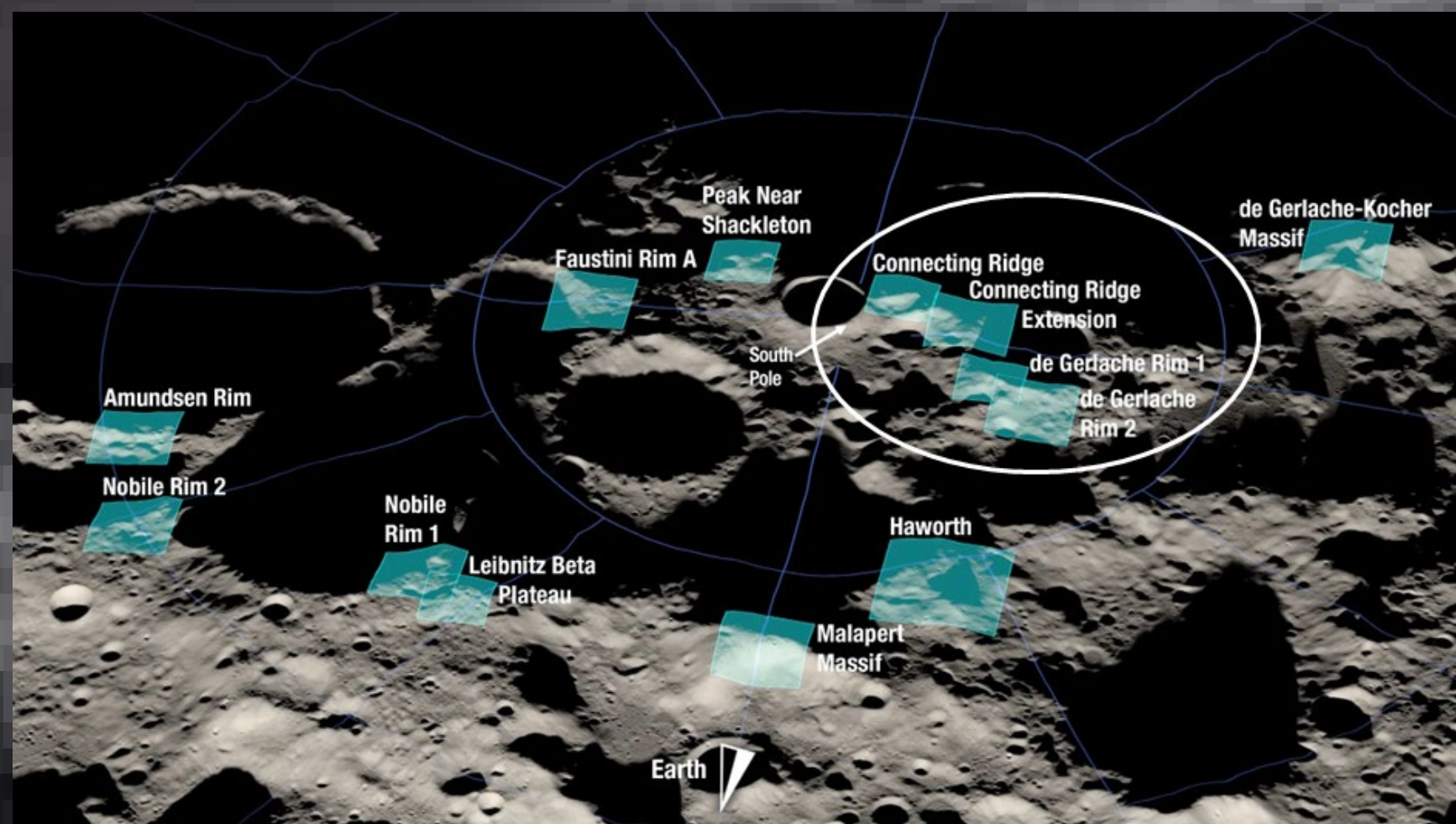
- Produce oxygen from lunar regolith minerals
- Extract water from lunar regolith
- Capture and store water
- Prospect for icy lunar regolith
- Excavate icy lunar regolith
- Extract water from icy lunar regolith
- Electrolyze water
- Capture and store oxygen and hydrogen

Lunar Processing Module Functions

- Developed by OffWorld Luxembourg
- Extract water from icy lunar regolith
- Capture and store raw water
- Purify water
- Electrolyze water



Lunar Processing Module



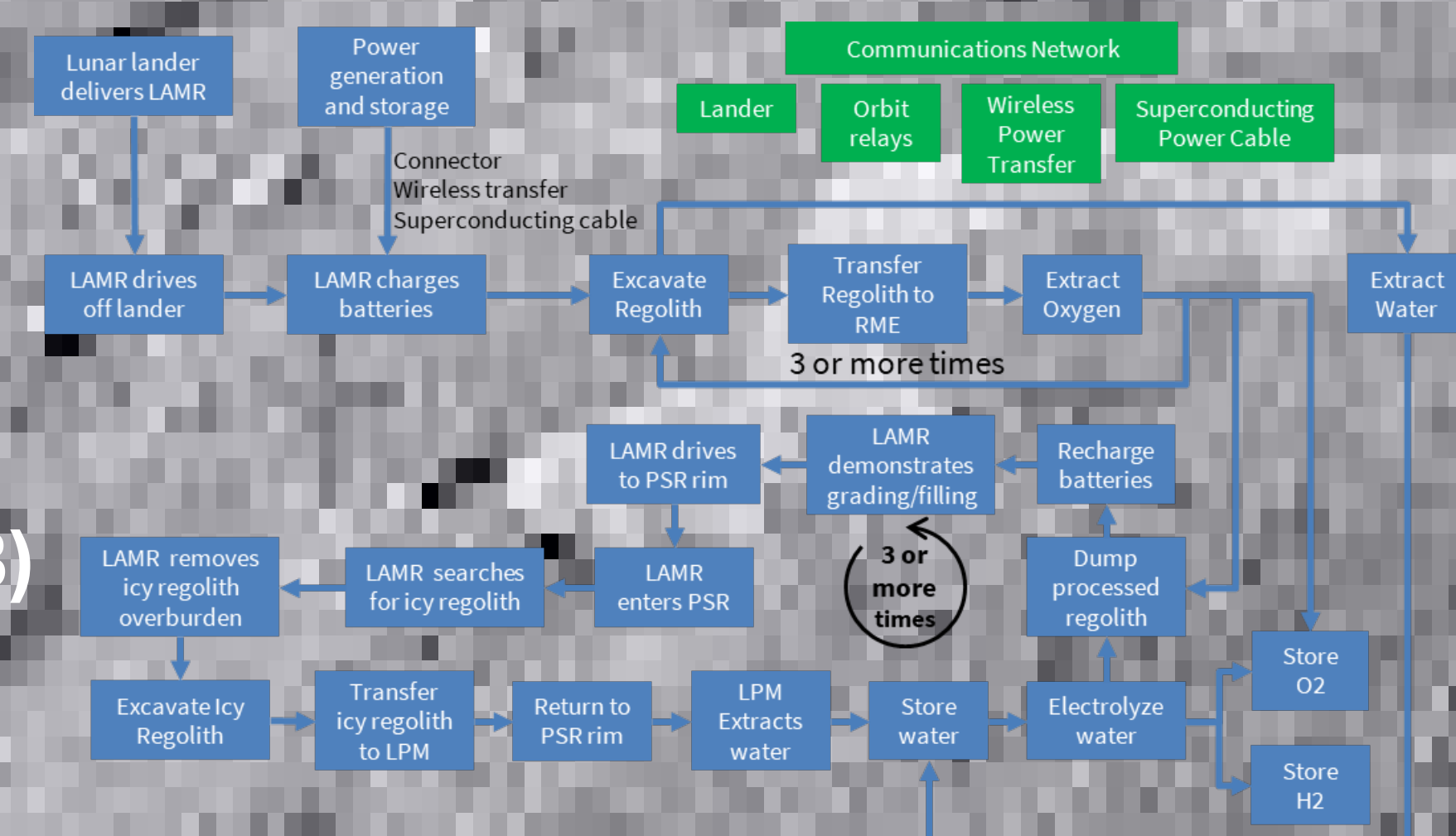
Operational Area

Operational Plan

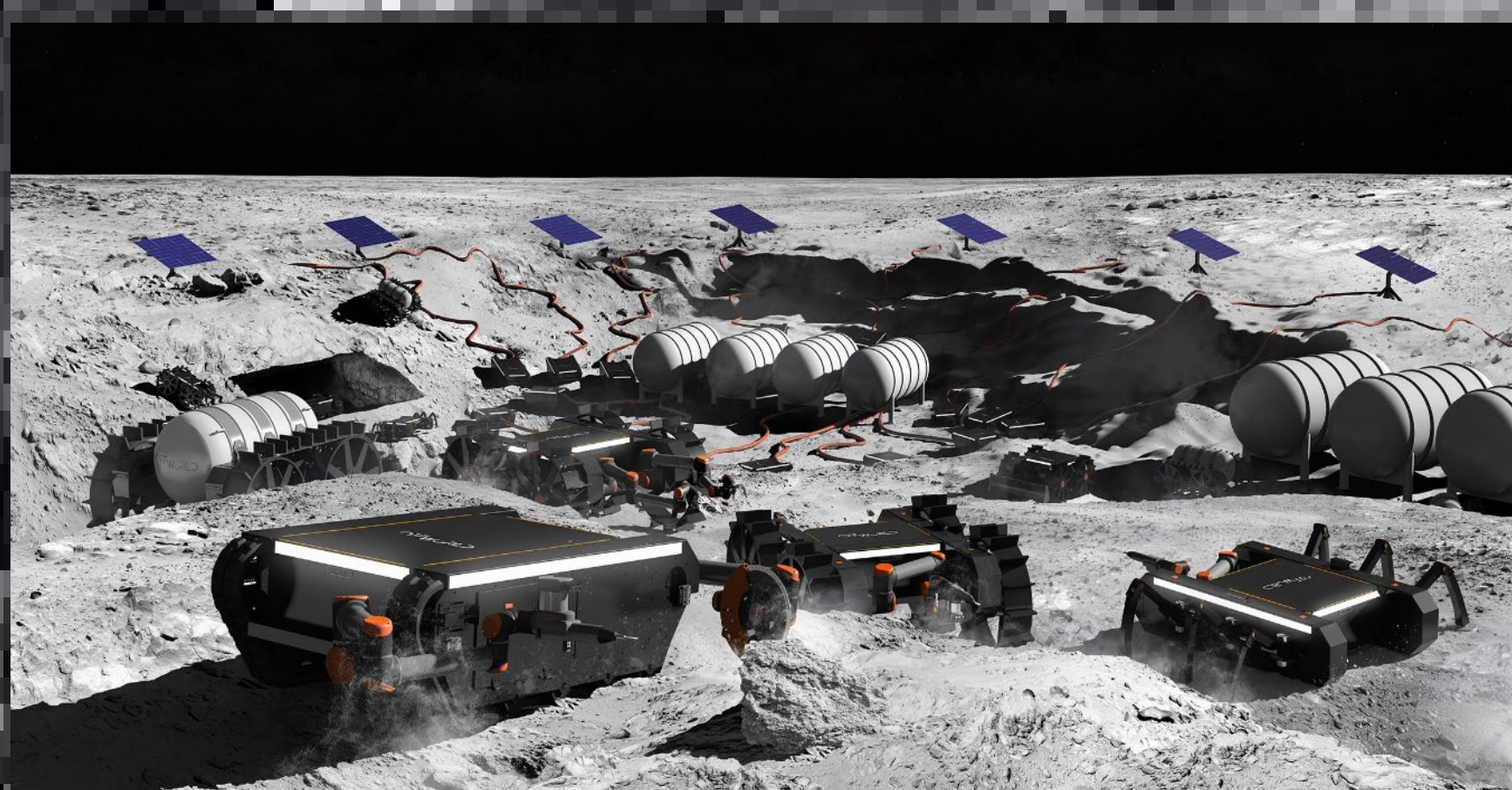
- 4 of 13 potential Artemis III landing sites
- de Gerlach rim and connecting ridges
- 100 km planned traverse
- Oxygen and water from sunlit regolith
- Prospecting and icy regolith extraction in PSRs
- 120-hour minimum duration; open ended maximum

Concept of Operations

- Offload from lander
- Excavate regolith and produce oxygen (x3)
- Excavate regolith and extract water
- Prospect for icy regolith in PSRs
- Excavate icy regolith, extract water, and electrolyze (x3)
- Travel to next landing area
- Repeat through four landing areas
- Continue until non-operational



Concept of Operations



The Future

Lunar Swarm Robotic Mining

- Multiple robotic species operating collaboratively
- Prospecting, excavating, hauling, processing
- Supporting permanent human presence
- Contributing to Earth-Moon ecosystem

Partnerships Available

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