

The Lunar Development Cooperative



A Tool for Avoiding Commons Tragedies

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A Lunar Tragedy of the Commons – Explained



What is a “Tragedy of the Commons?”

- ③ A situation where everyone wants to take as much as they can of a shared resource, even when it reduces the total value of the resource
- ③ Limiting my use allows others to extract more.

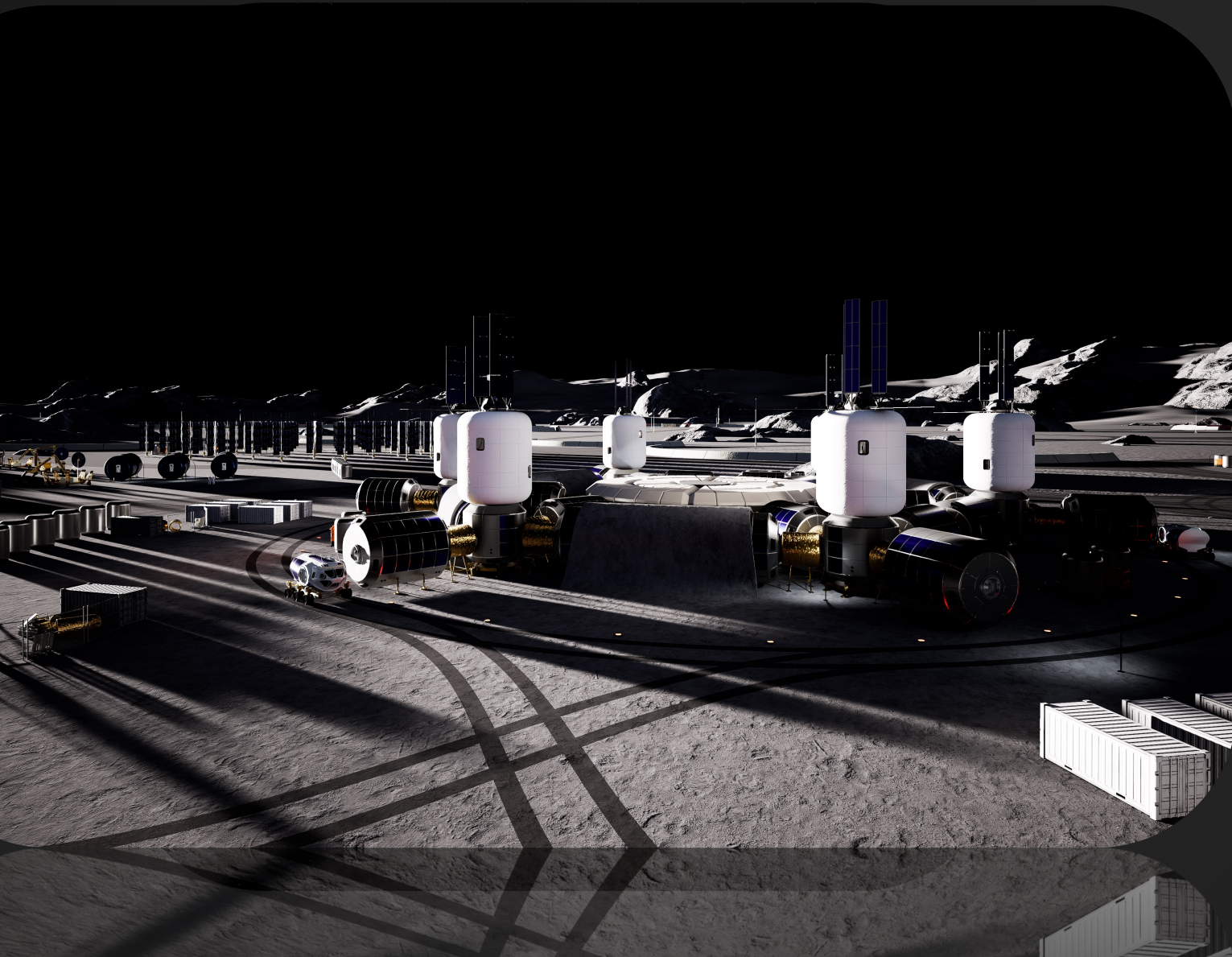
Lunar Resources Potentially Vulnerable to Commons Tragedies

- ③ Extractable resources
- ③ Strategic locations

How Commons Tragedies are Avoided

- ③ Good rules that emerge from users’ experience

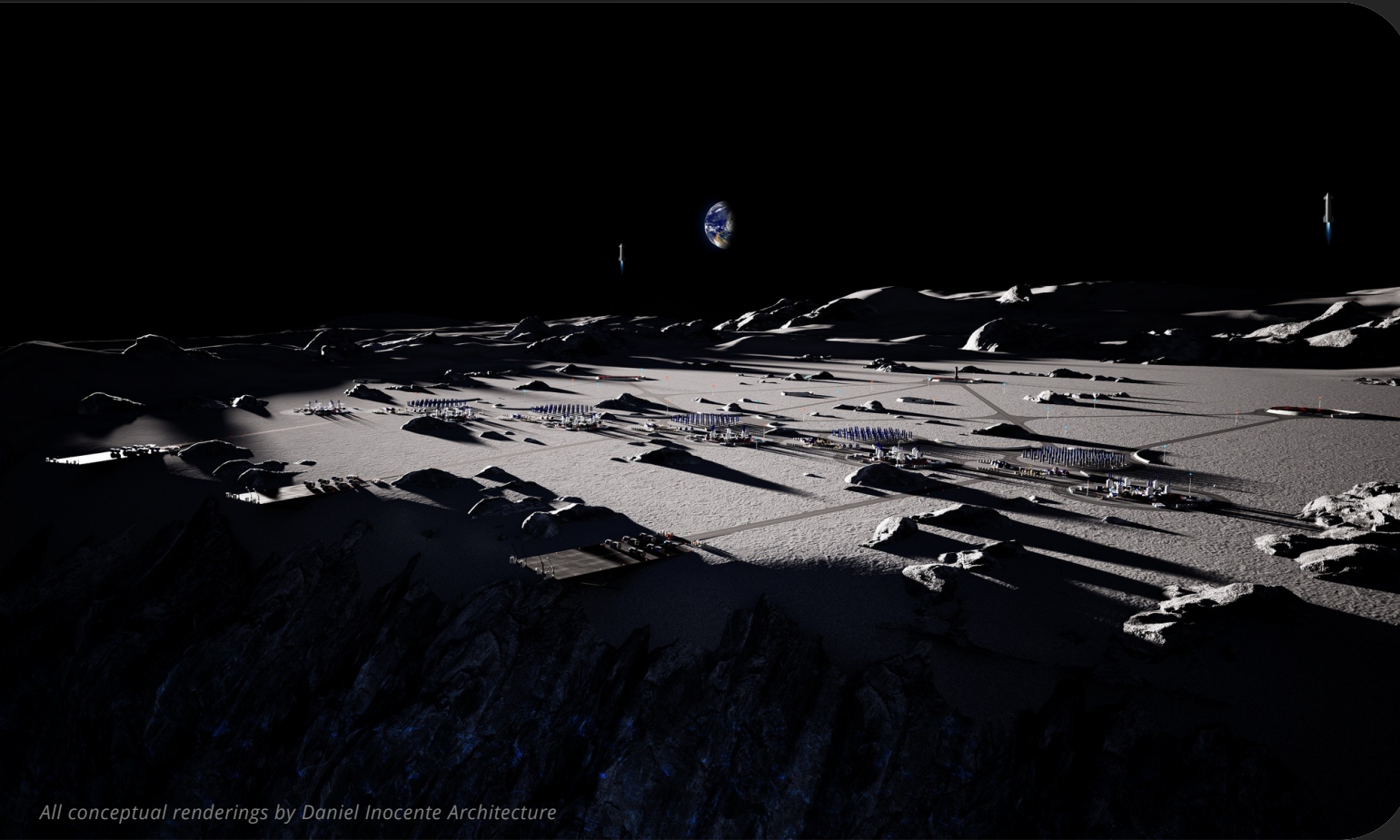
A Lunar Commons Tragedy Scenario



Steps to a Failed Lunar Economy:

- ④ Promising site
- ④ Competing use
- ④ Interference
- ④ Diplomatic solutions fail
- ④ Excessive costs & resource damage
- ④ States bail out & defend companies
- ④ Monopolization

The Lunar Development Cooperative



All conceptual renderings by Daniel Inocente Architecture

- ④ Infrastructure provider for anyone operating on the Moon that agrees to become a member
- ④ LDC members will be contractually bound to abide by rules of conduct
- ④ The rules will enable a sustainable and open market economy in space

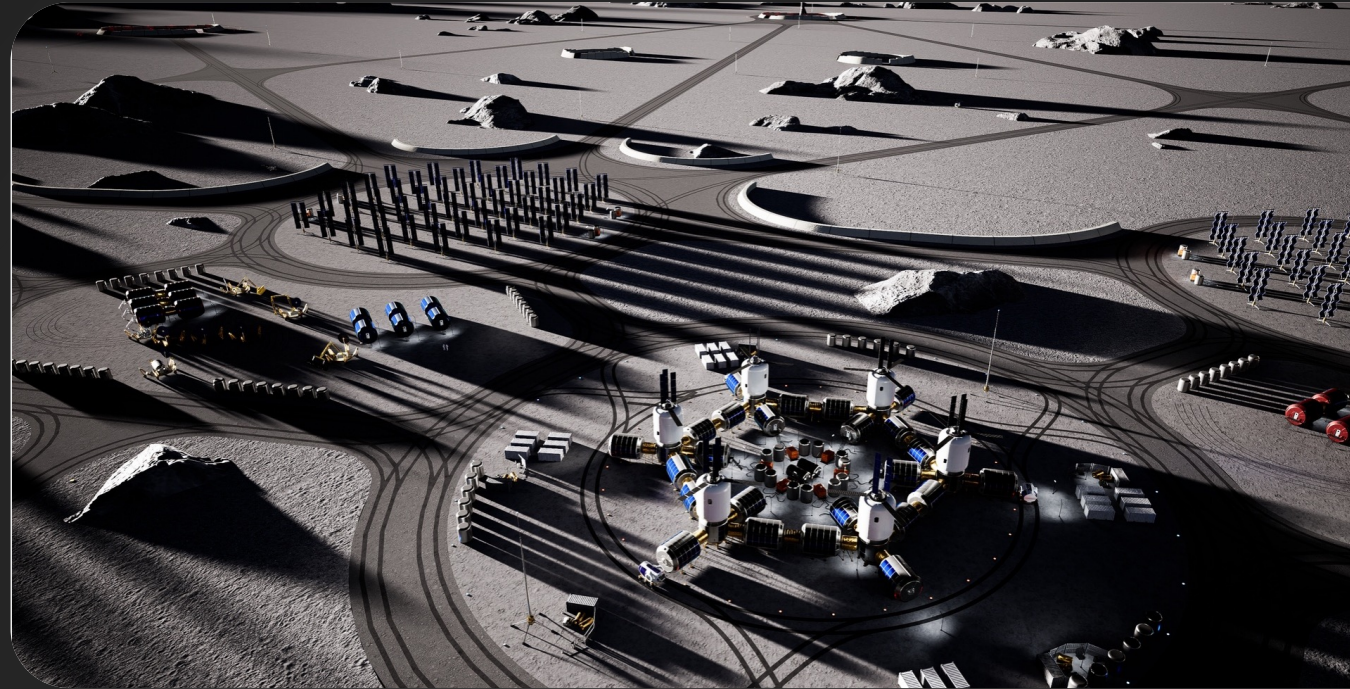
Humanity's Holding Company for the Moon

Organizational Characteristics

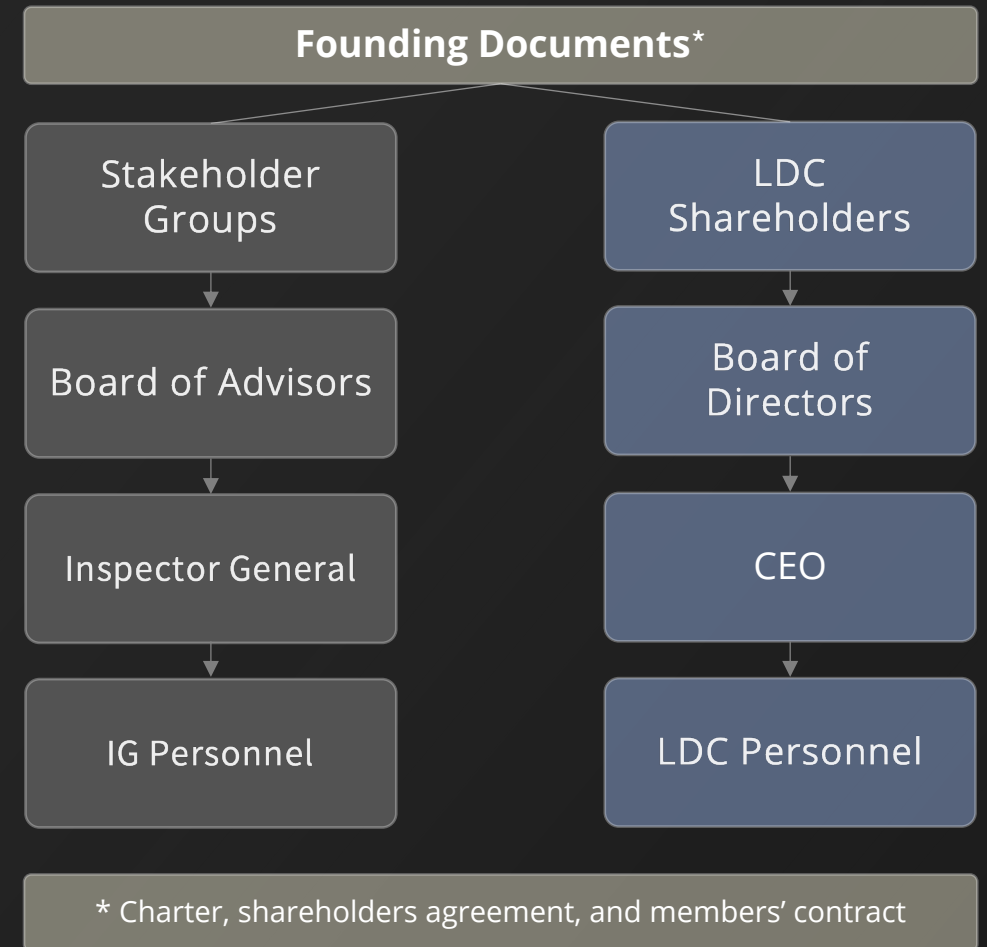
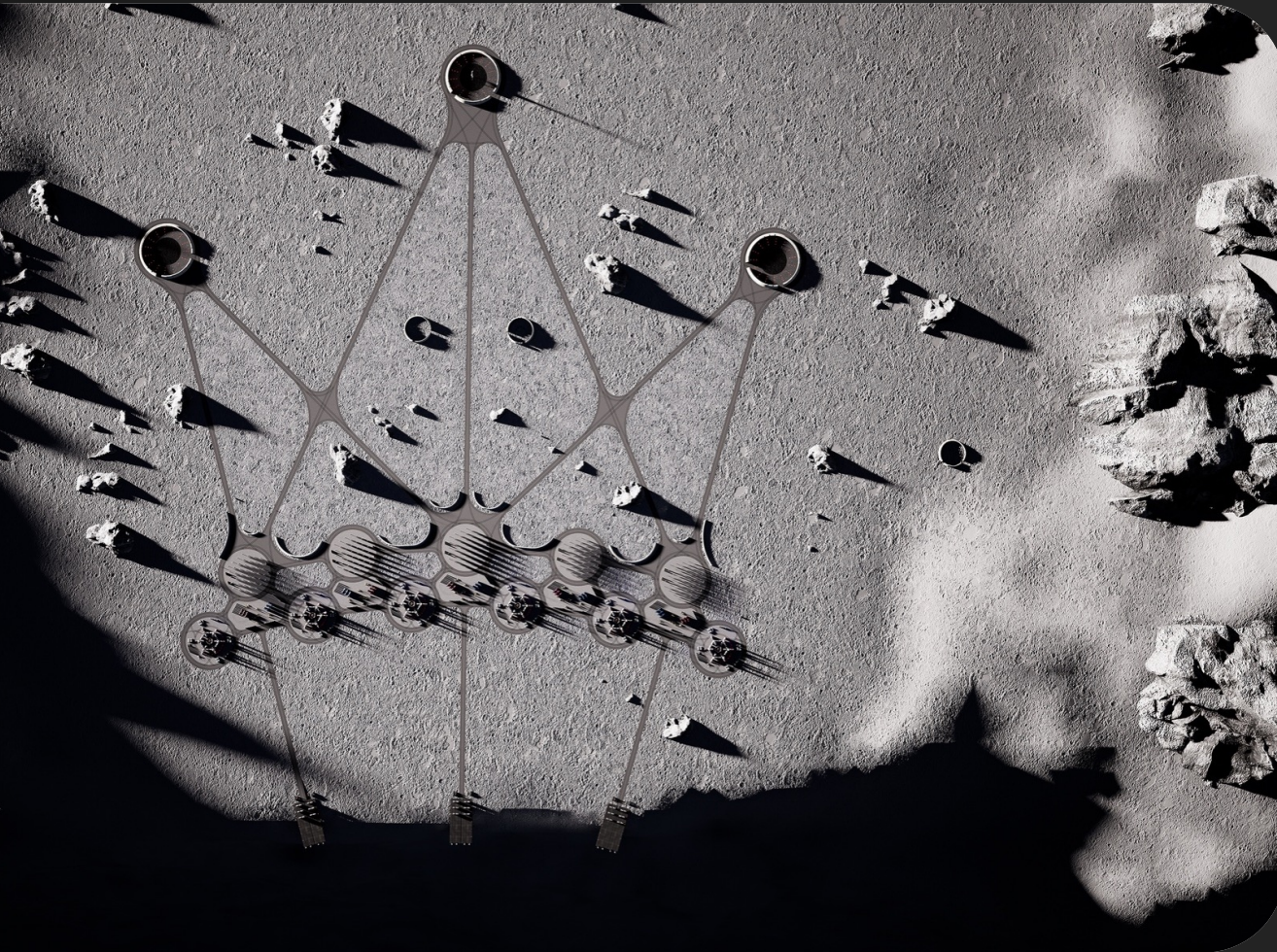
- Similar to seaports, special economic zones, etc.
- Up to 49% purchased by as many nations as possible
- At least 51% purchased by individuals & private-sector entities
- Discounted shares for developing nations & indigenous groups
- Low minimum investment limit
- Universally accessible trading platform

Public-Benefit Company

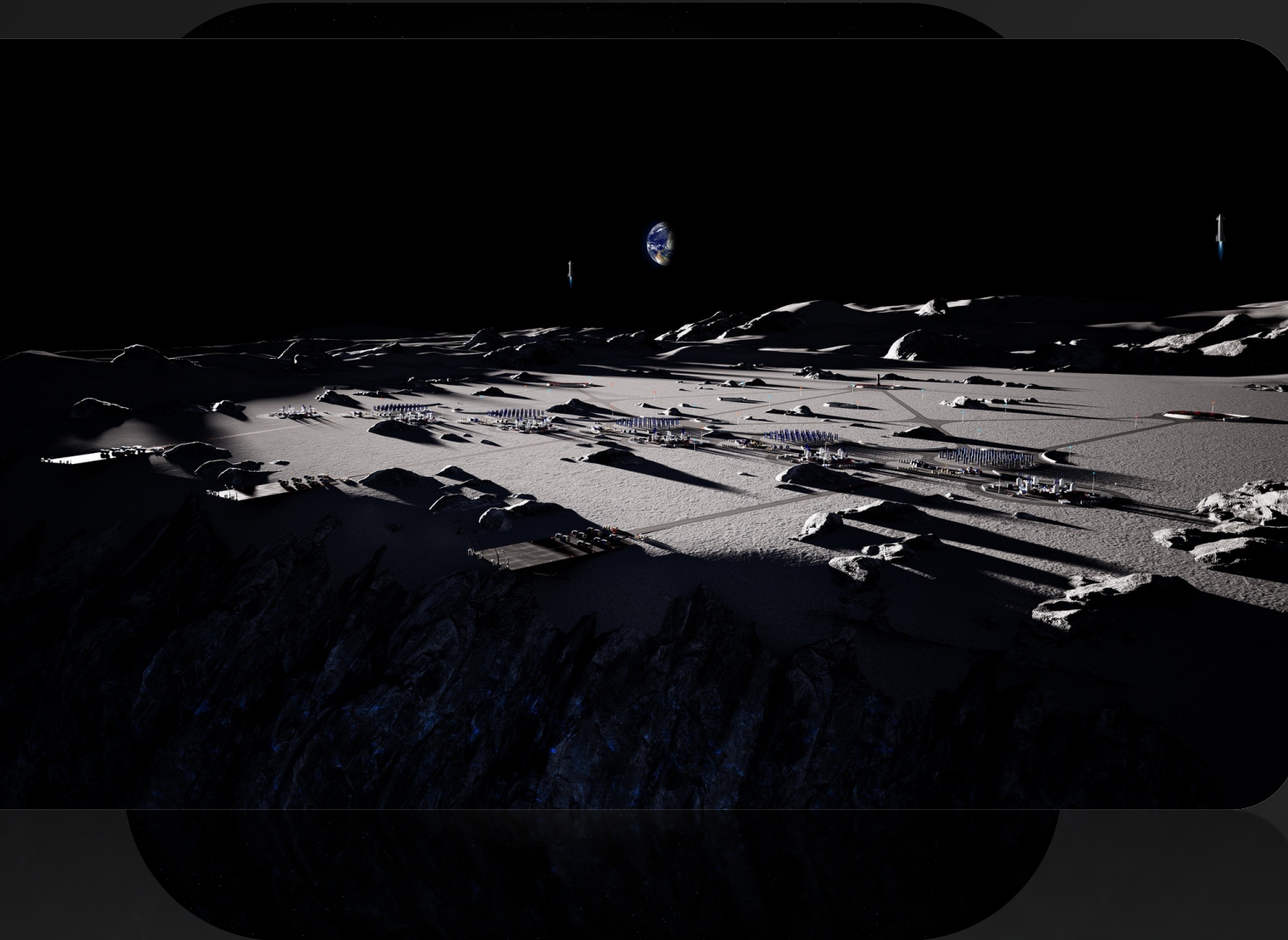
- Limits on investor control
- Membership voluntary
- LDC can't compete in private goods markets
- Robust accountability



Independent Accountability



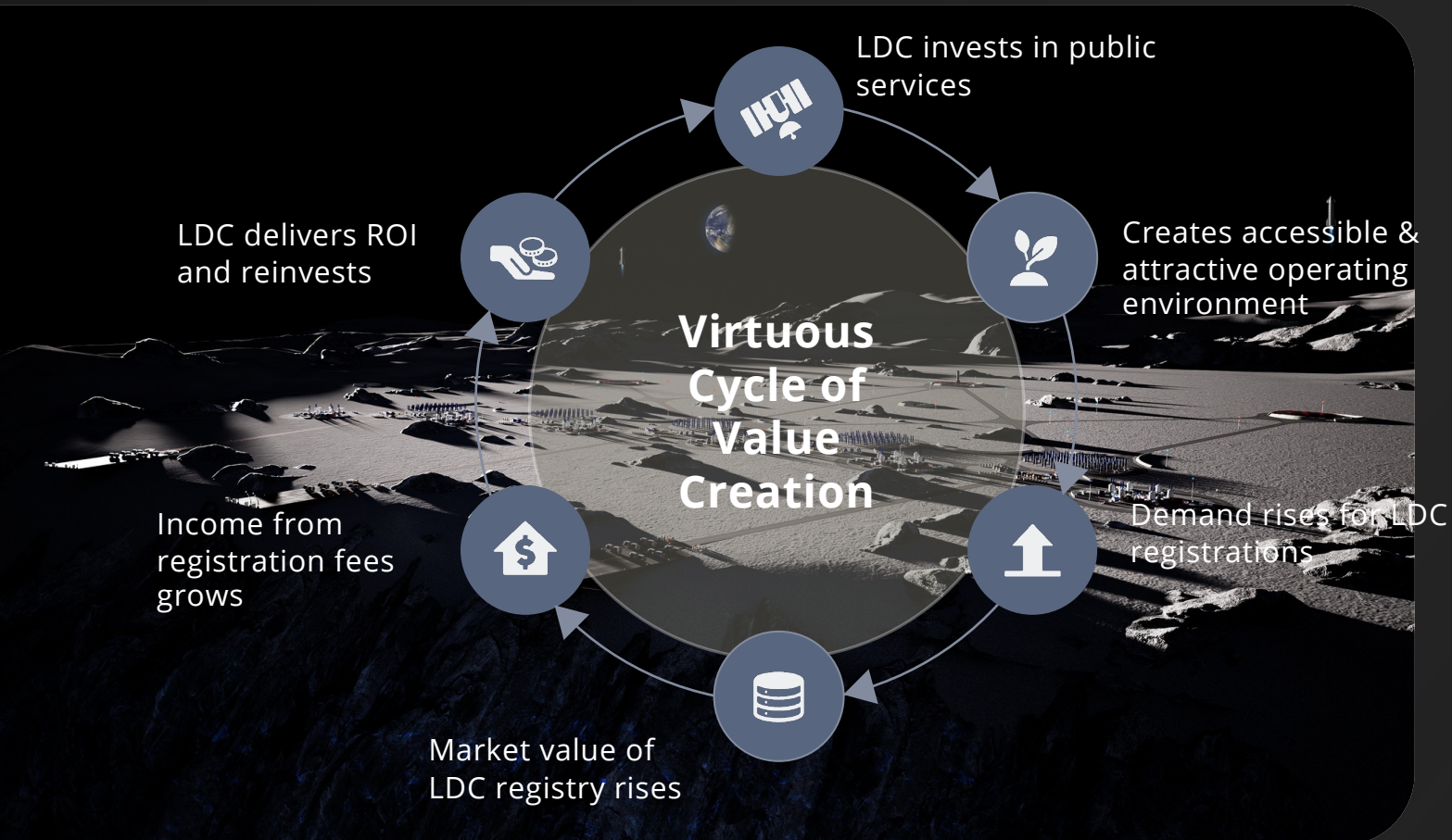
A New Scenario, with the LDC



Steps to Lunar Economic Success:

- ④ Initial LDC services: Resource information, PNT, comms, power beaming
- ④ Nations invest, enhancing space capabilities
- ④ Patient, blended capital for infrastructure
- ④ LDC service hub
- ④ Shared, adaptive standards
- ④ Site-use registry preventing interference
- ④ Enforceable protections through member contracts
- ④ Registration fees prevent speculation and align incentives with long-term value

A New Scenario, with the LDC



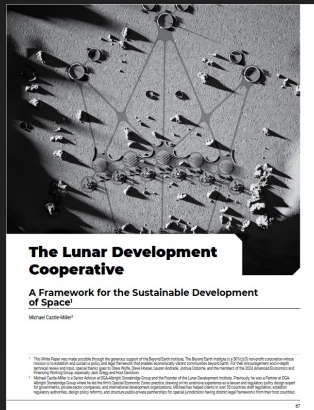
Steps to Successful Lunar Economy:

- ④ Initial LDC services: Resource information and cislunar infrastructure
- ④ Nations invest, enhancing space capabilities
- ④ Patient, blended capital for infrastructure
- ④ LDC service hub
- ④ Shared, adaptive standards
- ④ Site-use registry preventing interference
- ④ Enforceable protections through member contracts
- ④ Registration fees prevent speculation and align incentives with long-term value
- ④ Inclusive harbors of peaceful cooperation

Join Us!

Help shape the future of space

Read the White Paper



<https://tinyurl.com/LDC-White-Paper>

Connect With Us

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