

**LUNEL AT A GLANCE**

Unlocking the potential of helium-3.

LUNEL - Lunar Helium. Our vision is a path from lunar resources to useful applications in science, technology and future energy.

The system concept and substantial project documentation already exist.

We are preparing the next stage: research and a ground-based demonstrator.

A lunar resource. Possibilities on Earth.

Helium-3 is a rare isotope of helium. Its distinctive properties already support applications including the cooling of selected quantum systems and neutron research. It is also considered as a fuel for future fusion systems. Its use in power plants requires further technological development.

A project with an established foundation.

LUNEL is developing a comprehensive approach to collecting, processing and managing regolith - the loose material covering the Moon's surface - and recovering its resources. The concept considers the needs of future operations and the constraints of the lunar environment.

The work to date has produced design descriptions, visual documentation and a development plan. This body of work preserves the knowledge gained and the key decisions made. It is a substantial asset for LUNEL, created through its founder's work, knowledge and personal investment.

A name with a story.

LUNEL brings together Lunar and Helium. The name also has a personal meaning: Piotr Dytkowski, the project's creator, grew up in Hel, Poland. That inspiration connects LUNEL's identity with the ambition to expand the possibilities of science and technology on Earth.





THE NEXT STAGE / COLLABORATION

From a developed concept to research evidence.

We are seeking funding, specialist knowledge and facilities to test selected parts of the project in practice. We welcome discussions about a defined scope of collaboration.

What can support make possible?

Analysis and a test programme, access to equipment, specialist work and a rig for an agreed research scope. For each stage, we aim to define the tasks, budget, schedule and how results will be assessed.

How can you contribute?

Research and laboratories. Test methods, measurements and access to facilities.

Industry and sponsors. Technical expertise, materials, equipment, services or funding for defined work.

Investors and funders. Discussions about the resources needed for subsequent stages and assessment of the project.

Community and education. Communicating LUNEL's mission accurately and building interest in its development.

The first conversation.

Introduce yourself or your organisation, your area of interest and the contribution you have in mind. Together, we can define the purpose of the discussion and the information needed. Detailed documentation is shared individually under agreed arrangements.

Piotr Dytkowski | Founder of LUNEL

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[LUNEL - project website](#)

More on helium-3 applications: [Bluefors](#) - cooling; [NIST](#) - neutron research.

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