



PRESS AND MEDIA

Lunar excavation, robotics, and resource recovery

Excavation. Regolith processing. Mobility. Site preparation. Simulation. Autonomy. Recycling. Field operations.

2021

Founded

15

NASA contracts awarded since 2021

8

NASA competition awards since 2021

4

Executed NASA Phase II contracts

COMPANY PROFILE

Machines and software for working on the Moon.

Cislune develops machines and software for lunar excavation, robotics, and resource recovery. Based in Southern California, the team combines mechanical design, fabrication, electronics, controls, materials testing, and field operations. Its work includes PERDEX icy-regolith excavation, wheel-terrain testing, regolith processing, and SimMoon mission rehearsal. Since 2021, Cislune has received 15 NASA contracts and eight NASA competition awards.

FOCUS AREAS

Excavation and ISRU

Dry and icy regolith excavation, volatile-aware material handling, bucket drums, and integrated test campaigns.

Regolith processing

Sorting, beneficiation, mineral separation, feedstock preparation, and material characterization.

Mobility and site preparation

Wheel-terrain interaction, wear, slip sensing, compaction, geotechnical measurement, and trafficable surfaces.

Simulation and trusted autonomy

Mission rehearsal, digital environments, rover development, operator studies, and decision support.

Recycling and logistics

Mass-efficient recovery of useful products from mission waste and field logistics for hardware campaigns.

Build and test

Rapid fabrication, integration, thermal and vacuum work, regolith analog testing, field operations, and documentation.

CURRENT PROOF POINT

NASA LunaRecycle Challenge: 2026 Highest Mass Efficiency Prize

Cislune's CRAFTER recycling system earned the Highest Mass Efficiency Prize at the finals in Tuscaloosa, Alabama. NASA announced the result on August 28, 2026.

SELECTED VISUAL ASSETS

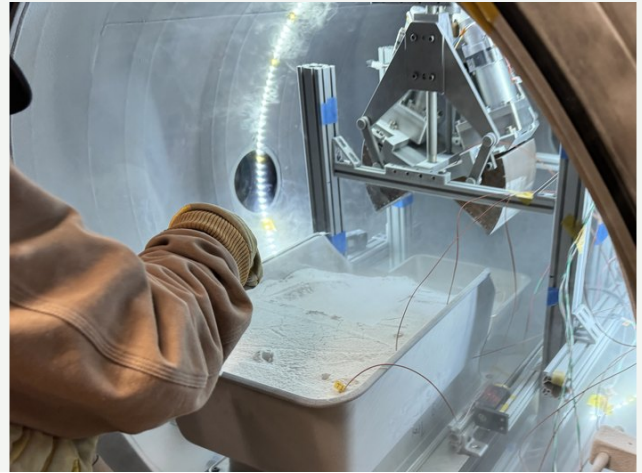
Real hardware, tests, people, and results

Downloadable originals and additional context are available in the Cislune press and media package.



LunaRecycle award

Cislune's team with NASA's 2026 Highest Mass Efficiency Prize.



PERDEX test hardware

PERDEX mechanism and material bed inside the test chamber.



TREAD wheel-terrain testing

Physical testing for traction, wear, and predictive mobility models.



Cislune team and facility

Southern California hardware development, integration, and test context.

FOR MEDIA AND COLLABORATORS

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[NASA LunaRecycle results](#)