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Contribution of Moon Village to Solving Global Societal Issues (2)

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NEW SPACE MARKET DEVELOPMENT ON LUNAR TECHNOLOGIES THROUGH PROMOMOON
INITIATIVE

Abstract

The Moon Village Association (MVA) has been a major actor in promoting sustainable lunar exploration as well as enabling research and development, and outreach on utilizing lunar technologies. Since 2020, the MVA is in partnership with the leading Ukrainian space engineering company, Yuzhnoye State Design Institute, and has launched the PromoMoon Initiative - a project aimed to 1) facilitate capacity building for New Space market segment for the younger generation, 2) provide support in proof-of-concept development, and advancement of engineering design maturity of novel lunar technologies considering global market demand and trends, and 3) expand international cooperation towards future sustainable lunar activities. Proposals were received from teams of students, young professionals, startups, spinoffs and new space companies under different categories such as transportation to and from the Moon, transportation on the Moon surface, energy and power on the Moon, and infrastructure and manufacturing on the Moon. After a series of evaluation, successful teams will be given free-of-charge B2B mentorship. This paper follows up on the first installment of the PromoMoon, outlines lessons learned as a capacity building initiative, and presents the top three winning proposals on lunar technologies in the latest installment.

Keywords: lunar technology, outreach, capacity building, competition