

22nd SYMPOSIUM ON SPACE ACTIVITY AND SOCIETY (E5)
Habitation Throughout the Solar System (1)

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A HOUSE ON THE MOON - A LUNAR LANDING PUBLIC PRIVATE PARTNERSHIP

Abstract

The House on the Moon could be the first deep space art installation ever. The project is an endeavour to put a traditional red Swedish house with white corners on the surface on the lunar surface as a cultural symbol. The project is set up as a public private partnership where private interests participate for commercial returns and public organisation participate for scientific returns. In the process of moving the project forward a feasibility study of a national Swedish lunar lander mission was prepared that indicated that placing 30kg payload on the lunar surface could be achieved at a cost of less than 100 million Euros. Technical studies on the house indicate that it is possible to design a 10kg and 6 litre payload that will deploy autonomously into a house with the dimensions of 2,5 x 3.0m x 2.0m. The House payload is estimated to fit inside a cost of 3 million Euros. Finding a way to finance the House on the Moon is a challenge and the funding model for the mission is a combination of inviting external partners to pay for sharing the additional 20 kg payload capacity and sponsorship. The paper outlines the House on the Moon project, its artistic concept, commercial models and technical models and its progress to date.