

Lunar Exploration (3)
Lunar Missions planned (2A)

Author: Mr. Karsten Becker
PTS Planetary Transportation Systems GmbH, Germany, kb@ptsScientists.com

Ms. Kate Arkless Gray
United Kingdom, radiokate@gmail.com

BACK TO APOLLO 17 WITH PTSScientists' MISSION-1

Abstract

PTScientists is a German new-space company that aims to send the first private mission to the Moon. 45 years after the final footsteps on the Moon, we are working on a mission to revisit the Apollo 17 landing site and, with our pair of Audi lunar quattro rovers, get the closest look at NASA's lunar roving vehicle since it was left on the Moon.

In this paper we outline the scientific objectives of our mission, and give details of our innovative ALINA spacecraft - designed to transport payload to the Moon and soft-land it on the surface. We hope ALINA will open up lunar exploration and bring down the cost of small satellite launches, by providing a delivery craft that is compatible with a range of commercially available launch vehicles.

We will also outline our future plans about providing infrastructure in space, with a new, yet unannounced partner.