The Lunar Reconnaissance Orbiter (LRO) is NASA’s first step in returning humans to the Moon.

The LRO Mission will not only enable future human exploration but also provide excellent opportunities for future science missions. The LRO payload, comprised of six instruments and one technology demonstration, will provide the most comprehensive data set ever returned from the Moon.

LRO focuses on the selection of safe landing sites, identification of lunar resources and the study of how the lunar radiation environment will affect humans. LRO will create the comprehensive atlas of the Moon’s features and resources necessary to design and build the lunar outpost.