

Project V

moon mission

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# SKY WEB

Sky Web is a commercial space start-up company which was started in hope of sending humans to LEO and outer space again to make mankind a multi-planetary space civilization. These are the main objectives of Sky Web for next 6 years(2024-2030).

* Create a LEO(Low Earth Orbit) station that will act as a starting point for deep space and moon missions.
* Send humans to moon and create a moon base.
* Send humans to mars and beyond.

SKYWEB is still at the startup stage. But with a correct vision and solid ideas, we have full confidence that we can achieve the goal of putting Europe as the pioneer of the future of space exploration. Following document is about how SKY WEB hopes to help ESA’s Terrae Novae 2030+ strategy.

INTRODUCTION

Space exploration is one of the main conquest mankind will never stop to love. Exploring space, exploring other planets, leaving the solar system and beyond are our current main purposes of space missions. One of the quotes from famous movie ‘Interstellar’ is that quote,” mankind was born on earth, but never meant to die here.”

Space exploration can be simply defined as the exploration of celestial structures in outer space by means of continuously evolving and growing space technology. Humans first observed space from the earth and it’s known as the science of Astronomy. But with the rapid development of rocketry in the 20th century has helped mankind to leave the earth surface and reach LEO(Low Earth Orbit) and beyond. t

Currently, space exploration has reached a new breaking point. Many organizations from different countries and continents are continuously trying to achieve the status of frontier of space exploration. With involvement of private sector, it has increasingly advanced during last 15 years.

Like other nations, European space agency is actively working on improving and empowering their presence as a leading role of the space industry and space exploration. ESA already have developed a detailed idea about the future of space exploration.

Objectives of project V

There are 4 main objectives of project V.

* Create a satellite system that can map the moon’s surface.
* Create a rover system that uses the satellite system’s navigation and examines the moon surface and gathers information.
* Helps ESA to create a moon base on the moon before sending humans to moon.
* Start the Development of project X – aiming to send humans to mars and start a mars base.

Mission and System requirement