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THE NEW SPACE RACE IN THE WORLD

Abstract

Space is more important than ever in modern times. Space is the center of communication, economy and military strategy, and is of great importance for international relations. The space race was a series of competitive technology demonstrations between the US and the Soviet Union aimed at demonstrating superiority in spaceflight. The new space race has prestige, commercial and strategic goals. The USA, China and Russia intend to build lunar bases. Another goal is to use the Moon as a launch pad to get to Mars, and in particular to mine the Moon's resources. Space exploration today is a far cry from the US-Soviet space race of the 1960s. Currently, more than 80 countries are participating in the space race. That is, the new space race is not between two countries, but between several players, especially among the rapidly developing economies of the US, Russia, China, India and Japan. China's Chang Zheng boosters send communications satellites and earth observation satellites into orbit for military and civilian purposes. China has sent several missions to the moon, most recently landing the Chang'e 4 probe on the far side of the moon in 2019. Thus, China became the first country in the hemisphere to soft-land its spacecraft that same month. India's Polar Satellite Launch is just one example of boosters available in the country, and one of PSLV's most famous missions was the successful launch of the Chandrayaan-1 mission to the Moon. India has carried out more than one lunar mission till date. "Chandrayaan-1" is the first lunar probe sent by India in 2008. As we know, India was the first country to land on the south pole of the moon on August 23, 2023. Thus, India became the fourth country to successfully land on the moon. One of the countries that managed to go to the moon so far is Japan. Japan is a current partner of the International Space Station and has sent several astronauts into space. Japan has successfully completed two lunar missions, the first in 1990 and the second in 2007. In addition, Japan, which recently successfully landed its spacecraft SLIM on the moon, became the fifth country to achieve this feat. 6 of the US lunar missions were manned missions. Russia is considering putting astronauts on the moon in the next decade and plans to build a lunar base starting in 2031. Successful exploration of the moon would give a country or alliance advantages similar to those enjoyed by naval powers in previous centuries. The first to establish themselves on the Moon will be the first to tap into the potential wealth of the Moon and the ability to send some of that wealth home.