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中国空间技术研究院
China Academy of Space Technology(CAST)

The Role of Chinese Space Industry in Space Exploration

Fan Weina

Senior Engineer

**China Aerospace Science and Technology
Corporation(CASC)**



Outline

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3 space industry is the executor of space exploration

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1. Introduction

- ✓ **China's space activities developed from small to large**
- ✓ **The launch of DFH-1 satellite marked the beginning of Chinese space technology industry**
- ✓ **From then on, China has launched many scientific satellites to explore the outer space**
- ✓ **In 1999, the first spaceship launched, opening a new chapter of China's space exploration activities**
- ✓ **Today, China's Manned Space Program and Lunar Exploration Program have gained remarkable achievements**



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2. Space industry is an advocate of space exploration

- ✓ Chinese space industry participates in the decision-making of both China's human space mission and robotic space exploration mission
- ✓ Space industry puts forward the space activity concept, participates in technological demonstration, and provides support to facilitate the mission implementation
- ✓ For instance, the idea of the Lunar Exploration Program was first proposed by the experts of space industry and scientific community
- ✓ Chinese space industry and scientific community will continue to carry out the planning of China's space exploration in the future



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3. Space industry is the executor of space exploration

- ✓ Chinese space exploration projects are implemented mainly by large state-owned enterprises
- ✓ China Aerospace Science and Technology Corporation (CASC) is the leading power of Chinese space industry
- ✓ CASC has made efforts to tackle key technologies and developed a series of space products to support human space mission and robotic space exploration mission
- ✓ The achievements of Lunar Exploration Program, Manned Space Program and Space Science Strategic Priority Program
- ✓ The commercial project of space exploration areas is still in its infancy



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4. Space industry is a promoter of space exploration

- ✓ **Participates in pre-study and early demonstration of new projects and new technologies**
- ✓ **Facilitates the research and verification of cutting-edge technologies to promote space exploration activities**
- ✓ **It is engaged in strengthening international exchange and cooperation, actively participates in the work of ISECG**



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5. Conclusions

- ✓ **The future space exploration shall be carried out on the basis of international cooperation**
- ✓ **Chinese space industry is willing to collaborate with all space countries , space organizations, enterprise groups and space industrial colleagues to promote the development of world space technology**



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Thanks for your attention!

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