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Introduction





In 2013, Chinese President Xi Jinping suggested the "Belt & Road" Initiative

- strengthen international cooperation
- synergize development strategies of various countries
- achieve complementary advantages
- promote common development



Belt and Road Initiative





- 10 countries in East Asia and ASEAN
- 18 countries in Western Asia
- 8 countries in South Asia

- 5 countries in Central Asian
- 7 CIS countries
- 16 countries in Central and Eastern European

- Focuse on Asia, Europe and Africa,
 but is open to all partners"
- Uphold the principles of extensive consultation, joint contribution, and shared benefits
- AIIB and the Silk Road Fund gives a steady support to the "Belt & Road" Initiative

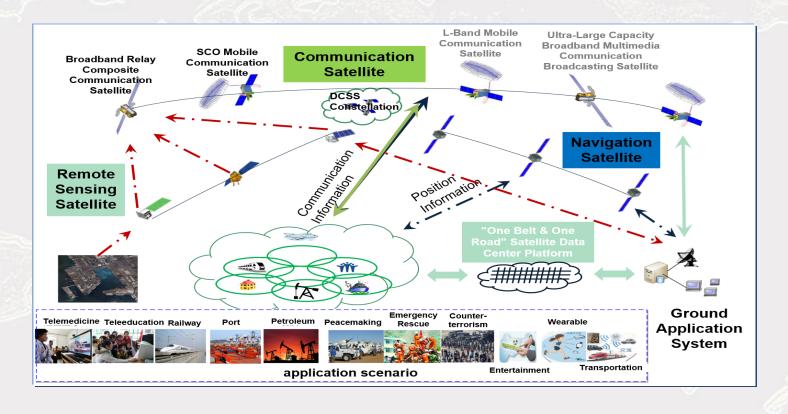




It is a comprehensive project of providing information services along Belt & Road, which

takes communication, remote sensing, navigation satellites as the main body, with space-

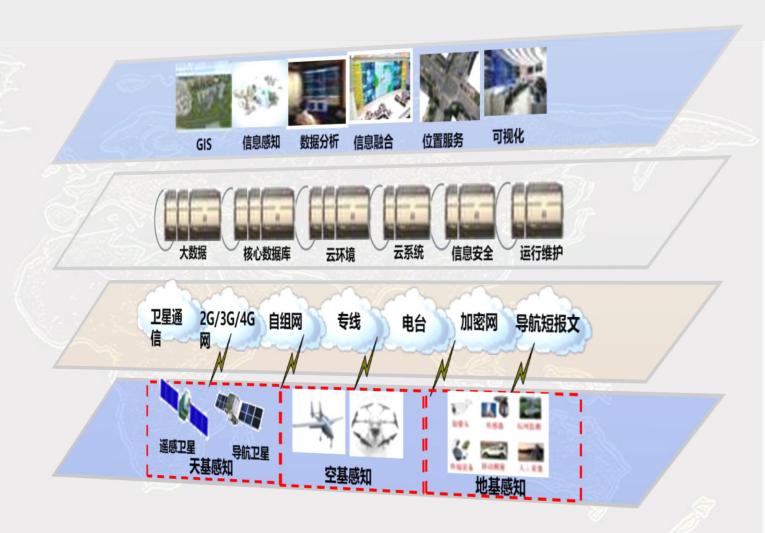
based information resources and ground information sharing network, and aims at realizing co-construction and sharing of space information in the Region.





Four- in - one

Space Information Corridor can provide "four-in-one" space information service for countries along the Belt and Road, which integrates sense, transmission, knowledge and use, to realize interconnection and the intercommunication of the information.







Policy coordination: space capacity supporting and policy guarantee

Construction cooperation: construction and running of Space segment and ground segment

Co-operation: application technology and service plantform

Service cooperation: integration of information and add-valued service

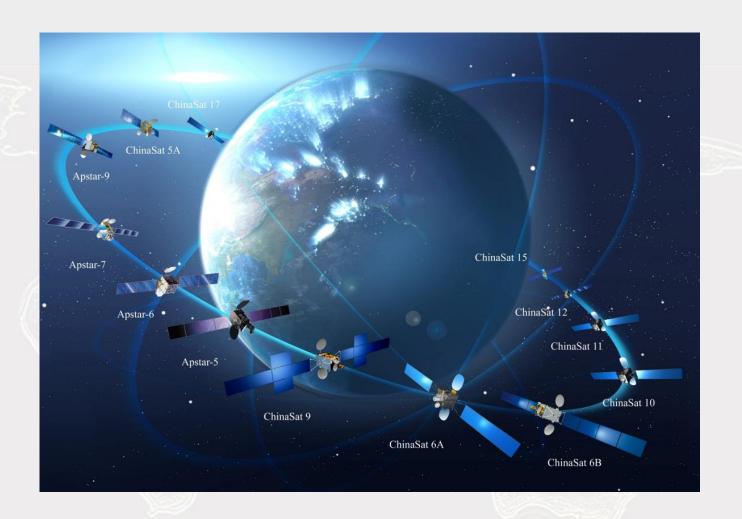


Development and Achievement





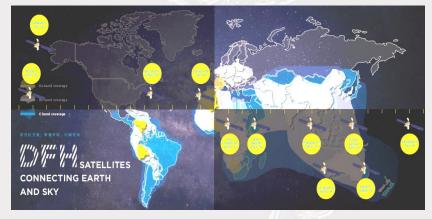
China boasts sufficient
satellite transponder
resource which covers the
entire territory of China, AsiaPacific region, Middle East,
Australia, Europe and Africa.



Telecom Satellites



A broadband communication satellite network with "one belt and one road" can be set up to jointly develop mobile, broadband and multifunctional composite communication satellites. Telecom satellites export are promoted, to support connectivity of countries along the Belt and Road.









Beidou Navigation

On December 27, 2018, Beidou System expanded its service scope from regional to global, and formally entered the global era. The development of Beidou satellite navigation system is multi-system compatibility and interoperability, to improve service experience of users through ICG.



Beidou Navigation





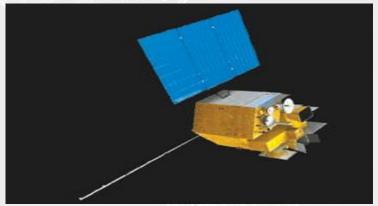


China and Arab countries cooperate in the construction and application of space infrastructure, jointly build a space-ground integrated space information corridor covering Arab countries, and share the experience and achievements of Beidou application to serve for local economic and social development.

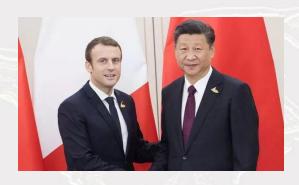


- Action Plan on Meteorological Satellite Fengyun for Belt and Road issued to play fully the benefits of satellite comprehensive application, and better serve countries along Belt and Road.
- FY-2H adjust the orbit position79° E to provide better meteorological monitoring services for Belt and Road and ensure the integrity of global meteorological data acquisition.









 China and France issued Joint Declaration in 2018 reaffirm their commitment to deepen and broaden their cooperation on environmental protection and climate change.



 China and France have expanded their cooperation in space technology, marine scientific research and global climate change through China-France satellite. At the same time, the satellite data can also be used by scientists and forecasters from all over the world.





 China and Italy released Memorandum of Understanding on construction of Belt and Road, to enhanced cooperation on Electromagnetic Monitoring, Space Science, Deep Space Exploration and Manned Space.

- 与克兰 Sich-1M 卫星 中国电磁监测试验卫星 "张衡一号" COMPASS - II
- Zhangheng-1 satellite carries a high-energy particle detector developed under the Italian "Matteo Ricci" project. The satellite can improve the research and understanding of the law of earthquake pregnancies on a larger scale and make up for the shortcomings of earthquake observation and measurement.



- GF satellite data have been broadly used by 16 government departments in over 20 industries including agriculture, land and resource, water resources, environmental protection, marine, and so on.
- The data have also been used for the "Belt and Road" country and International Cooperation.









Superview series of satellites, Triplesat and Changguang-1 provide commercial data service for countries along Belt and Road, to support data application evaluation based on national characteristics.











PRSS-1 and VRSS-2 were delivered, to contribute to the enhancement of data observation capacity and provide data services for regional and global sustainable development of the two countries.













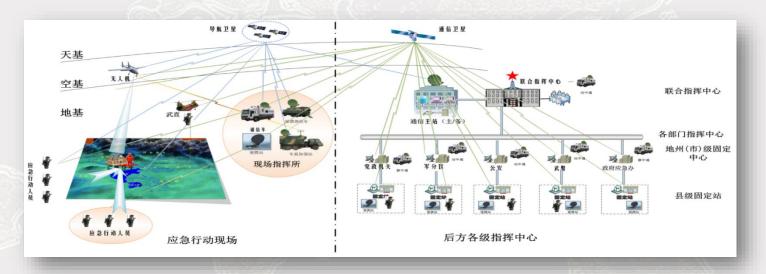
The corridor provides remote sensing monitoring, navigation and positioning, communication services for infrastructure construction such as railways, ports and energy development along the "Belt And Road".



Establish emergency service platform

There are several Chinese satellites joined CHARTER mechanism and played an important role in dealing with major international disasters to provide remote sensing image, emergency communication, navigation and positioning for early warning of

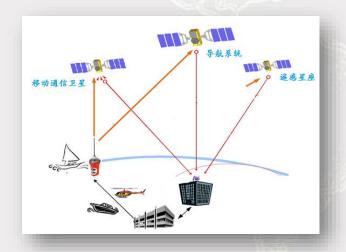
natural disasters,
international humanitarian
public affairs. China
firmlyrelief and other
support UNSPIDER projects.







Depending on the environmental monitoring satellites, Communication satellites and Beidou navigation satellites, a three-dimensional maritime search and rescue system will be established. China will become the country with the largest number of remote sensing satellites, and is willing to provide marine information services to all the countries along the route.



- Maritime rights enforcement
- Safety of sea lanes
- Maritime search and rescue
- Offshore resource development
- Marine disaster prevention and mitigation
- Coastal zone environmental monitoring



Win-Win Cooporation

Promote Cooperation with International Space Organizations









Enhance cooperation with multilateral platform, including UNOOSA, ESCAP, APSCO, to promote construction of Belt and Road and public service.



International cooperative satellite constellation

Through cooperation in space resources, joint observation and data exchange, a new type of international satellite service system with consistent objectives and unified standards will be formed, such as APSCO Joint Small Multi-mission Satellite Constellation.



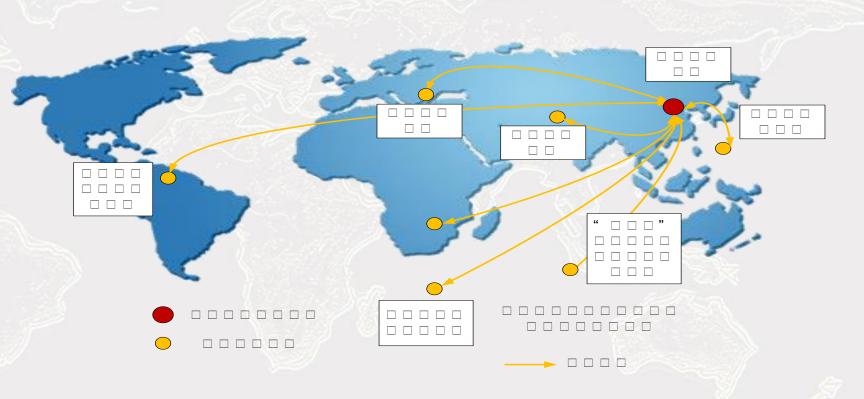
APSCO Joint Small Multi-mission Satellite Constellation



Space information sharing network

Along the "Belt And Road", China will jointly build remote sensing data and application centers, communication satellite information ports and beidou navigation ground enhancement systems,

build several
distributed satellite
application and service
platforms, and form a
comprehensive service
network.





Promote cooperation in the space information industry along the 21st century maritime silk road

Promote the construction of "china-malaysia" satellite application industrial park,
Pakistan telecom port and china-asean information port.

Promote the development of maritime satellite applications in fujian and expand the market for space information services in asean and south Asian coastal countries.

Promote the construction
of beidou foundation
strengthening systems in
Thailand, Laos, Indonesia,
Cambodia and other asean
countries.



Talent Exchange and Cooperation

NPU initiated the Belt and Road Aerospace Innovation Alliance, by uniting 51 members (universities, research institutes and enterprises) from 14 countries and building platforms and mechanisms for all in and beyond the Alliance. Students



from all members are the people who are benefited most by attending the activities organized by the Alliance.

