

## **Research on rapid acquisition of remote sensing image and its application technology in commercial aerospace**

Under the guidance of the International Science Organization Alliance of the Belt and Road Initiative, this project is to work with the Belarusian National Academy of Sciences and the leading scientific research institutes under the Turkish Science and Technology Research Council to carry out joint technology research and development and industrialization of application platforms, mainly including commercial satellite remote sensing. The development of a commercial satellite ground measurement and operation control platform for rapid image acquisition and the development and industrialization of remote sensing satellite image application platforms for different national conditions of the Belt and Road countries. This project will land China's advanced commercial aerospace scientific research results and advanced technologies and production, education and research concepts in countries and regions along the Belt and Road, using scientific and technological means to solve the actual development needs of related countries in satellite remote sensing.

The project will use China's existing satellite platforms to carry out research and development of commercial remote sensing satellite measurement and operation control equipment and platforms suitable for the local development needs of Belarus and Turkey, will use new types of remote sensing satellite loads to achieve rapid acquisition of commercial satellite remote sensing images, and will develop suitable Design and development of remote sensing image processing algorithms for different countries and different needs.

The project should upgrade and maintain the commercial remote sensing satellite measurement, operation and control platform, after the remote sensing image processing algorithms for different countries and different practical requirements have been determined. The project should implement the algorithm on the software platform and commercialize it to serve the actual needs of the Belt and Road countries.