# Popularization and application of low-cost intelligent water purification technology in Central Asia

The project is led by Xinjiang Institute of Ecology and Geography CAS and cooperate with Chongqing Institute of Intelligent Technology CAS, Third Pole (Anhui) Technology Research Institute Co., Ltd., Kyrgyz Department of Drinking Water Supply and Sewerage, National Academy of Sciences the Kyrgyz Republic, and Research Center for Ecology and Environment of Central Asia (Bishkek) ), by demonstrating and applying low-cost distributed intelligent water purification with a key membrane technology in Kyrgyzstan, assisting the Kyrgyz government in solving the problem of clean drinking water in remote areas and improving people's livelihood. Plan to build 30 water purification stations in Kyrgyzstan, assist establish distributed drinking water security technology system and propose related industry standards and regulations, with the help of ANSO, industry alliances and other platforms, it will be further promoted and applied to other countries in Central Asia. Hold 1 international academic conference, 2 public scientific activities, prepare for the establishment of the China-Central Asia Water Industry Alliance, train 150 relevant personnel, publish 3-5 papers, apply for 2 domestic and international patents, and incubate 1-2 local water companies.

Expected to pass the implementation of the project, it will provide localized and industrialized solutions for the application of advanced technologies and products in related fields in Central Asia, radiating the vast developing countries of Central and Western Asia along the Silk Road Economic Belt and benefiting local people's livelihood. Promote the realization of the United Nations Sustainable Development Goals (SDGs).