In order to provide sustainable Earth-Observation resources that would play a vital role in socio-economic development in the Member States: APSCO has established a network of ground and space segments. Capacity building of Member States is enabled through sharing of basic knowledge on space technology, payload development and necessary supporting facilities.
APSCO Joint Small Multi-Mission Satellite Constellation Program

The APSCO Joint Small Multi-Mission Satellite (SMMS) Constellation is a Flagship Cooperative Program of APSCO. The system is planned to provide a space-based network for enhanced spectral range, resolution and revisit frequency Earth-observation system for APSCO Member States. The constellation comprises of 2+6+X satellites, namely, Two jointly developed remote-sensing satellites - one Hyper-Spectral and one High-Resolution Satellite, Six Nano/Micro Satellites in Low-Earth Orbit for responsive data communication, and X Satellites are open for APSCO Member States to bring their space assets to join the constellation and share the resources. Currently, there are three satellites from China, namely, GF-1, GF-2 and CBERSE-04, are already parts of the constellation. Thailand, Iran and Pakistan have shown their willingness to bring their satellites to join the swarm. Once in full operation, the SMMS Constellation will serve as a sustainable Earth-observation system for APSCO Member States.

On the ground, APSCO Ground Station Network is established for enhancing data retrieving opportunity, data accessibility and space asset manageability. The network is an integration of the existing, well-established ground station system and other upgraded/newly built stations in Member States. In parallel, the network for shared Space Development Infrastructure which includes the Assembly, Integration and Test (AIT) facility, will play a central role to support space capacity building, experiences, know-how sharing, and hands-on technology transfer among APSCO Member States.

Application is also an important part of the program. Serval applications of the Remote Sensing Satellite and Data Collection Satellite System will be designed, developed and deployed based on Member States requirements.