

IAF SPACE OPERATIONS SYMPOSIUM (B6)
Mission Operations, Validation, Simulation and Training (3)

Author: Mr. Lucas Liu
China HEAD Aerospace Technology Co., China

Dr. Wei Sun
China HEAD Aerospace Technology Co., France

INTERNATIONAL COOPERATION IN EARTH OBSERVATIONS: GAOFEN CENTRE GROUND
STATIONS NETWORK

Abstract

The GaoFen Centre Ground Stations Network is a network of ground stations developed by China to support the operation of its high-resolution Earth observation satellites, known as the GaoFen satellites. The GaoFen satellites are a series of remote sensing satellites that provide very high-resolution imagery of the Earth's surface, with a spatial resolution of up to 50 centimetres. The GaoFen Centre Ground Stations Network consists of a number of ground stations located throughout China, as well as in other countries around the world. These ground stations are used to communicate with the GaoFen satellites and to download the data that they collect. In addition to supporting the operation of the GaoFen satellites, the GaoFen Center Ground Stations Network also provides a range of services to customers around the world. This includes data processing and analysis services, as well as training and support for users of the GaoFen satellite system. Overall, the GaoFen Centre Ground Stations Network is an important component of China's space-based remote sensing capabilities, providing critical infrastructure for the operation of the GaoFen satellite system and supporting a wide range of applications in the areas of Earth observation and geospatial analysis. This includes applications in the areas of urban planning, natural resource management, environmental monitoring, disaster response, etc.