

# ComNav Wins Hydropower Station Landslide Monitoring Project



ComNav Technology has won the landslide monitoring project at Xiluodu Hydropower Station, which is China's second-largest and the world's third-largest hydropower station. This is the second time ComNav has won involvement in this project since it has already successfully fulfilled the first stage of the project.

Xiluodu Hydropower Station is the key project of the west-east power transmission in China, located on Jinsha River, between Sichuan province and Yunnan province. The dam is 285.5 metres high, which is the largest dam in the world with regard to flood discharge. According to its 13.86 million KW gross installed capacity and 57.12 billion KWh average annual power generations, it is China's second-largest and the world's third-largest hydropower station.

Due to the continuously rising water level in this area recent years, some unstable rocks under water immersion began to fall together with surface coating. Especially during the rainy season the displacement is quite large and landslides may occur at any time.

ComNav deformation monitoring system combines the M300 GNSS receiver, CD Monitor data processing software and other related sensors. It can achieve real-time millimetre accuracy. The system supports multi-base stations for a large area and ionosphere correction model can be built by using these base stations to improve monitoring accuracy. Furthermore, remote control and management make it easy to use and maintain.

This project will monitor 110 points in the hydropower station area in real time and alarm on multi-platform (such as message, email or phone call) to provide timely, accurate and effective warning information for the reservoir to avoid landslide incidents.