

Nurek Dam - at 300m (984ft) the second tallest man-made dam in the world



TJEM, Robertson Geo client in Tajikistan, purchased a logging system last year and have been using televiewers on the Nurek Dam project.

CASE STUDY



The Nurek Dam is an earth-fill embankment dam on the Vakhsh River in Tajikistan. Its primary purpose is hydroelectric power generation and its power station has an installed capacity of 3,015 MW. On completion it became the tallest dam in the world at the time. At 300m (984 ft) it is currently the second tallest man-made dam in the world, after being surpassed by Jinping-I Dam in 2013. The Rogun Dam, also along the Vakhsh in Tajikistan, may exceed it in size when completed.

Dilshod Majidov explains, "The equipment was purchased for the project Rehabilitation of the Nurek HPP. So far, the High Resolution Optical Televiwer (Hi-OPTV) has been used for video logging of slope wells on the left bank of the Vakhsh River. Since the slope has a complex/difficult section, it was necessary to conduct video logging of the wells immediately after the completion of drilling (to avoid collapse of the wellbore walls).

To do this, we have made changes in the use of the tripod. We adjusted it by mounting the tripod into the drilling machine holders. This saves time and facilitates the work of drillers (since if you move the rig, then afterwards it can be difficult to return it to its original location for drilling out the well). We can say that this helps not only in our project, but also in future projects, since we have mountainous terrain in Tajikistan and presumably everywhere we will have to carry out logging immediately after drilling, due to the complexity of the relief and underground conditions.

Overall, we are very satisfied with the equipment. We wish Robertson Geo every success and we look forward to further cooperation with you."



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