

Shaft type remote control underwater machine T-iROBO UW

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T-iROBO-UW is a construction machine which, with an underwater operating unit consisting of a hydraulic shovel attached to the shaft, can be manipulated by remote control. The shaft type-configuration makes it possible to locate with ease the coordinate position of the machine underwater. With integration of imaging technology, the operation underwater is able to meet needs on a practical level. When changing attachments, even an ordinary operating machine can perform various types of work.

T-iROBO UW was launched for the project of reconstructing the Amagase Dam for which currently a tunnel-type flood control system is being constructed to improve irrigation facilities. Through this project, the T-iROBO-UW system was demonstrated to be a revolutionary way of underwater construction to shorten the construction period and to improve safety.

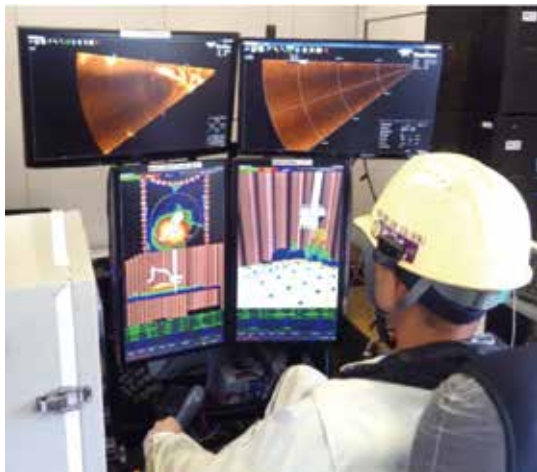


Fig. 1 Operation in the remote control room

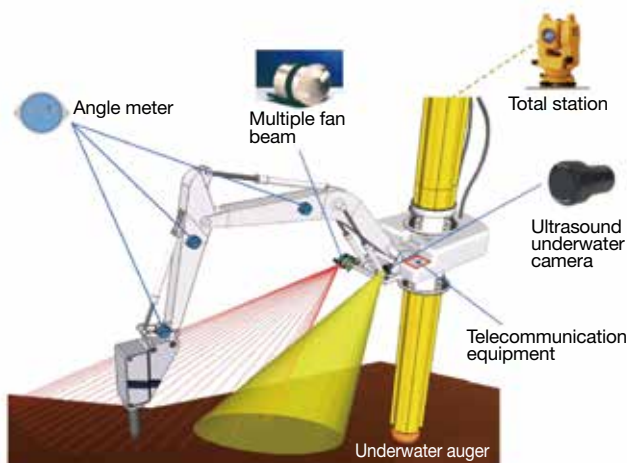


Fig. 2 Overhead view