

## **Research about monitoring machine and equipment for river management from a distance**

### **[ Point ]**

Building of a system has been proceeded in which machine and equipment condition can be monitored from a distance, for the purpose of prompt response and reestablishment at the time of failure of machine and equipment for river management. This study was conducted for the purpose of adequately setting monitoring items based on failure examples and standardizing them, and standardizing information transmission method between on-site machine and equipment and a maintenance and management company as well as a maker, in order to conduct precise monitoring and data management.

As a result, standardization plan was created about measurement items, device code, and communication specification in a monitoring system of machine and equipment for river management from a distance.

Keywords: CALS, maintenance and management, drainage pump facility