

Smart irrigation and water-saving management technology

In the past, human operation and judgment were required, but now technology assists people in handling water distribution work. Set up water level or flow sensing devices in important water supply channels and transmit the collected data to the information management platform. Using online information or mobile APPs, water stewards can instantly grasp the field water distribution to achieve the goals of saving manpower and accurately allocating water.

Taking the research results of the Jianan Irrigation District as an example, water stewards management can save about 20 to 25% of water by allocating irrigation water. If it is combined with Smart irrigation system, it can save another 5% of water.

Currently, Water Resources Department, MOEA continues to cooperate with National Science and Technology Council, Ministry of Agriculture to gradually expand to 3,000 hectares in the Jianan Irrigation District and 3,000 hectares in the Kaohsiung Irrigation District, and gradually promote Smart irrigation and water-saving management technology.



