



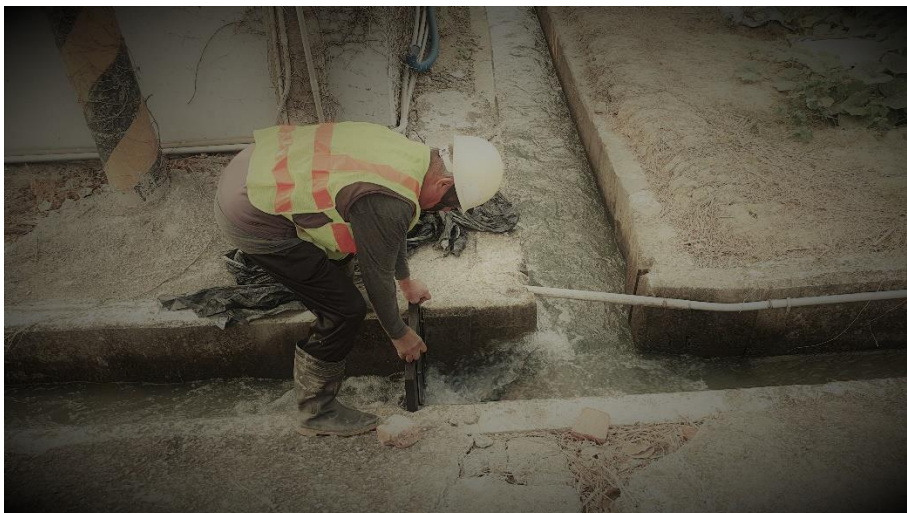
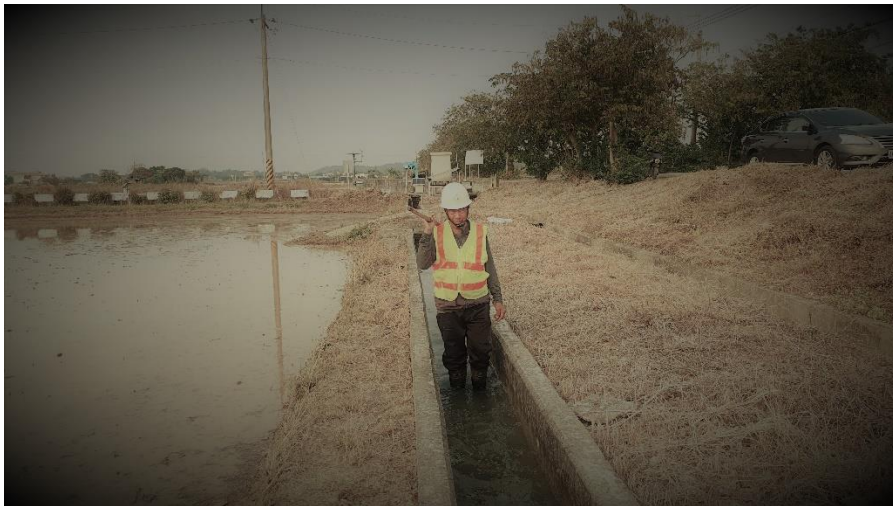
## 精進灌溉節水管理技術 Advanced Irrigation and Water Management Techniques

**執行單位：經濟部水利署**

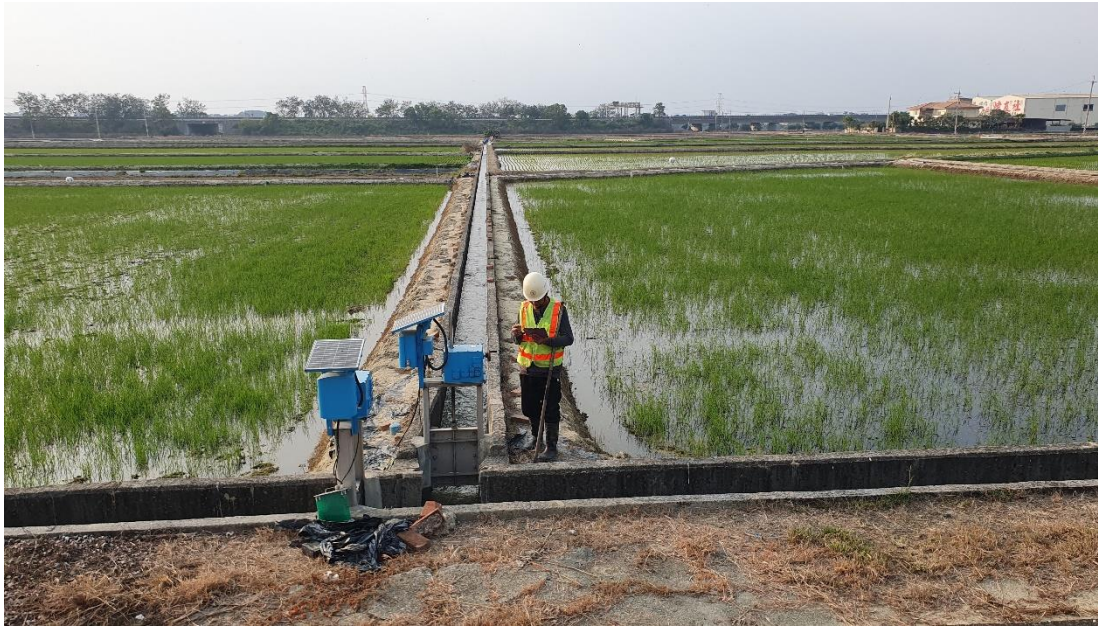
過往需要人力操作及判斷，轉變為科技輔助人處理配水工作。在重要的給水路設置水位或流量感測裝置，將蒐集到的資料傳送到資訊管理平臺，掌水工利用網路資訊或手機 APP，可即時掌握田間配水，達到節省人力及精準調配用水目標。

以嘉南灌區研究成果為例，掌水工調配灌溉用水可節省約 20~25% 之灌溉水量，如配合精進灌溉系統可再節省水量約 5%。目前經濟部水利署持續與國家科學及技術委員會、農業部合作逐步推廣至嘉南灌區 3,000 公頃及高雄灌區 3,000 公頃，逐步擴大推動精進灌溉節水管理技術。

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.



過去無計畫前狀態



精灌設備運用



精灌設備運用