

日勝生(2547 TW)新聞稿

## 日勝生(2547 TW)進階多元水資源計畫

### 日鼎水務啟動桃園下水道回收系統第三期 BOT 擴廠計畫

上市公司日勝生(2547 TW)宣布水資源循環重要子公司日鼎水務(股)，正式啟動桃園地下水回收處理第三期計畫，與集團鼎勝綠能(股)合作簽署「促進民間參與桃園縣桃園地區污水下水道系統建設興建、營運、移轉(BOT)計畫」污水處理廠第三期擴廠工程契約書案，金額新台幣 8.5 億。

日勝生與日鼎水務執行桃園污水下水道系統 BOT 案，為目前台灣最大公共污水處理系統，前兩期投資已超過新台幣 125 億，加計初估第三期興建投資新台幣 8.5 億，預計前三期投入建置金額將超過新台幣 133.5 億。日勝生表示，日鼎水務自 2013 年開始建置營運桃園污水下水道 BOT 案，全案為期 35 年至 2047 年。BOT 案分為四期建設，目標至計畫完成時，每日可回收處理地下水 20 萬噸，接管桃園住居 25.1 萬戶。二期擴廠工程已於 2020 年 12 月完成，每日可處理 10 萬噸回收污水，包括 3.1 萬噸使用 MBR 薄膜處理系統之高品質回收再生水，主要提供桃園工業區與消防局使用，以降低其對自來水依賴需求。由於企業界再生水需求日增，也促使日勝生進一步投入寶鼎再生水事業。

根據經濟部、內政部與地方政府政策規劃，全台灣已陸續籌設 11 座示範再生水廠，包括寶鼎再生水所在之桃園北區、新竹竹北、臺中福田、豐原及水湳、臺南永康、安平及仁德、高雄鳳山、臨海及楠梓(或岡山橋頭)，以增加多元水資源，目標至 2026 年全台灣再生水量每日可達 33.4 萬噸。有鑑於再生水廠需仰賴完善下水道建設及高品質污水處理系統，目前日鼎水務在大桃園區接管戶數已達 14.2 萬戶，貢獻桃園公共污水下水道接管戶比率 64%，系統管網建置超過 154 公里。

為配合寶鼎桃園再生水 BTO 計畫第一期於 2025 年完工，以如期每日供應 4 萬公噸再生水至中油桃煉廠與觀音工業區，日鼎水務將與寶鼎再生水廠作回收水源與供應系統連動，將於 2024 年第二季啟動擴廠建設，預計於 2025 年底完成三期桃園水資中心擴廠，並進階於 2026 年底達到此案第三階段接管戶數 19.1 萬戶的里程碑。考量循環水資源需兼具節能減碳，日鼎水務規劃三期水資中心，將運用前處理濾布濾池，搭配多段進流生物處理，後端選用固態分離的二沉池設備，加上厭氧消化系統及廢熱污泥乾燥減量技術，預計每年可降低三期回收處理系統碳排放量約 6%。



日鼎水務-桃園北區水資源回收中心

Rih-Ding Water Enterprise Co., Ltd.- Taoyuan North District Waste Water Treatment Plant



空拍圖- 日鼎水務 桃園北區水資源回收中心廠區

Aerial photo-Rih-Ding Water Enterprise Co., Ltd.- Taoyuan North District Waste Water Treatment Plant

## **Radium (2547TW)**

### **Radium (2547 TW) advances water resource business**

#### **-Rih-Ding Water launches 3<sup>rd</sup> phase of Taoyuan sewerage BOT project**

Listed company Radium (2547 TW) announces its subsidiary Rih-Ding Water Enterprise Co., Ltd. to launch the third phase of BOT project for Taoyuan sewerage system, the largest public sewerage system in Taiwan, with an investment of NT\$850 million.

Radium and Rih-Ding Water had invested over NT\$12.5 billion building the said BOT project. With the add-on amount of NT\$850 million further for the third phase, the total investment will reach NT\$13.35 billion. Rih-Ding Water will cooperate with group subsidiary Ding Sheng Green Energy Co., Ltd. under the contract of "Promoting private participation in the construction, operation and transfer (BOT) plan of sewage and sewer system in Taoyuan area, Taoyuan County" to manage the expansion.

Rih-Ding Water executes Taoyuan sewer and treatment system starting from 2013, with a 35-year BOT time frame and 4-phase construction to 2047. It is planned to treat 200,000 tons of recycled sewage daily and connect 251,000 households by the time project accomplished. The second phase had completed in December 2020, reaching capacity able to treat 100,000 tons of sewage daily and generating 31,000 tons of high-quality reclaimed water along using MBR membrane treatment technology, providing mainly to Taoyuan industries and fire stations to reduce their dependence on tap water.

In light of increasing industry demand for reclaimed water, Radium has also established subsidiary Bao Ding Reclaimed Water in Taoyuan. Based on the policy released by the Ministry of Economic Affairs, the Ministry of the Interior and local governments, 11 reclaimed water plants are planned to establish across Taiwan, including Taoyuan North District, Zhubei, Hsinchu, Taichung Futian, Fengyuan and Shuinan, Tainan Yongkang, Anping and Rende, Kaohsiung Fengshan, Linhai and Nanzi (or Gangshan Qiaotou.) The government goal is to achieve a daily reclaimed water volume of 334,000 tons in Taiwan by 2026.

Rih-Ding Water currently has connected 142,000 households in Taoyuan, contributing 64% of Taoyuan's public sewer system, with pipe network exceeding 154 kilometers. To integrate with Bao Ding Reclaimed Water managing Taoyuan reclaimed water BTO project, which is schemed to supply 40,000 tons of reclaimed

water daily in 2025, Rih Ding Water plans to complete the third phase of Taoyuan sewerage BOT system by end of 2025 and to reach further 191,000 households by end of 2026. The third phase is designed with pre-treatment cloth filters and multi-stage inflow biological treatment at the front-end, and integrate equipment of solid-state separation secondary sedimentation tank at the back-end, plus anaerobic digestion system and recycled heat for sludge drying. The treatment process is expected to reduce carbon emissions by around 6%.



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Aerial photo-Rih-Ding Water Enterprise Co., Ltd.- Taoyuan North District Waste Water Treatment Plant