

日勝生(2547 TW)新聞稿

## 日勝生(2547 TW)拓展循環經濟事業，參與寶鼎再生水增資

上市公司日勝生(2547 TW)拓展循環經濟事業，繼去年第四季參與旗下日鼎水務(股)現增新台幣 5.92 億後，持續投資再生水事業。集團子公司寶鼎再生水(股)計畫發行新股 7,300 仟股，以每股面額新台幣 10 元為發行價格，總增資金額新台幣 73,000,000 元。日勝生集團以持股比例 70%參與認購，認股金額新台幣 51,100,000 元。待增資完成後，寶鼎再生水實收資本額將達新台幣 9.45 億，實收股數 94,500 仟股。

因應全球 ESG 潮流，再生水應用成為政府與企業優先選項。寶鼎再生水(股)建設桃園再生水 BTO 計畫，預計 2024 年第三季開始，第一階段每日供應 1 萬噸再生水，將優先輸至中油桃園煉油廠與觀音工業區。目前系統建設，中油桃煉段已完成管線 6,220 公尺，完成度 87%；觀音段輸水管線達 13,911 公尺，完成度 72%。預估 2025 年完工後，每天至少可提供 4 萬公噸再生水至大桃園企業廠區。

日勝生以多元水資源發展循環經濟事業，與子公司日鼎水務管理建置桃園污水下水道系統 BOT 案，投資超過新台幣 125 億。估計 2023 年桃園公共污水下水道

用戶接管普及率約 24.7%，日鼎水務接管戶數超過 14 萬戶，貢獻桃園接管比率 15.8%，約占桃園公共污水下水道接管戶比率 64%。日鼎水務預計 2024 年投入三期水資中心擴建，興建 50,000 噸污水處理設施，整體施工期程約兩年。三期擴建將採用多段處理之生物處理程序，導入智能化系統使污水處理最佳化，以節能減碳技術進階強化水質管理，提供寶鼎再生水廠穩定可靠水源。另將增設一座厭氧消化槽做污泥循環利用，計畫運用污泥沼氣發電，同步達到污泥減量。

日鼎水務將偕同寶鼎再生水，合作建置再生水 AI 智慧雲端管理平台，從源頭即施行水質與流量監測，建置下水道預警系統，並導入智慧水務系統、工業 4.0 自動配水計畫，加上日常巡檢與 CCTV 即時監看，預計降低系統處理用電約 10%。廠區搭配環境教育館，建置太陽能與小水力發電、智慧溫室與水耕農場，打造桃園 ESG 水資源綠能園區。



寶鼎再生水場域示意圖

Architectural Design Drawing of Bao Ding Reclaimed Water factory area



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 (2547TW) plans to expand circular economy business**

#### **-Subsidiary Rih Ding Water plans to raise capital by NT\$ 73 million**

Listed company Radium (2547 TW) is expanding its circular economy business. After participating in the capital raise of NT\$592 million in Subsidiary Rih Ding Water Co., Ltd. last year, it continues to invest into reclaimed water business. Bao Ding Reclaimed Water, a 70%-owned subsidiary of the Group, plans to issue 7,300 thousand new shares at a par value of NT\$10 per share, with a total capital raise of NT\$73 million. Radium Group will participate in the subscription with a 70% shareholding ratio and subscription amount of NT\$51 million. The paid-in capital of Bao Ding Reclaimed Water will reach NT\$945 million after the capital increase completed, with paid-in shares to reach 94.5 million shares.

In response to global ESG trend, the application of reclaimed water becomes a priority for governments and enterprises. Bao Ding Reclaimed Water Co., Ltd. is building the Taoyuan reclaimed water BTO project expecting to start supplying reclaimed water from third quarter of 2024. The first phase will supply 10,000 tons of reclaimed water daily prioritized to China Petroleum Taoyuan Refinery and Guanyin Industrial Zone. Currently 6,220 meters of pipelines have been constructed to China Petroleum Taoyuan refining section, with a completion rate of 87%, and 13,911 meters of pipelines built to Guanyin Industrial area, with a completion rate of 72%. It is estimated that more than 40,000 metric tons of reclaimed water will be provided daily to the Taoyuan Enterprises upon project completion in 2025.

Radium Group develops circular economy business of diversified water resources mainly. With subsidiary Rih-Ding Water Enterprise Co., Ltd. managing the sewage piping and treatment BOT system in Taoyuan, the Group had invested into the BOT with more than NT\$12.5 billion. It is estimated that penetration rate of public sewer in Taoyuan had reached 24.7% in 2023, with the households connected by Rid-Ding Water reaching over 140,000, contributing 15.8% of Taoyuan's connection rate and accounting for 64% of Taoyuan's public sewer connection rate.

Rih-Ding Water expects to launch the third phase of Taoyuan water resource center expansion in 2024. The overall construction period will be around two years, building facilities capable to treat 50,000 tons of sewage. It will adopt a multi-stage biological treatment process, coupled with intelligent control to optimize sewage treatment, to

strengthen water quality management with advanced energy-saving and carbon-reducing technologies so as to provide a stable and reliable water source for Bao-Ding reclaimed water plant. An anaerobic digestion tank will also be added for sludge recycling, planning to utilize sludge biogas to generate electricity and achieve sludge reduction simultaneously.

Rih-Ding Water will work with Bao-Ding Reclaimed Water to build the AI smart cloud management platform to monitor water quality and flow from the very beginning of water resources. It's planned to set up more pre-warning equipment with smart water systems and industrial 4.0 automatic water distribution plans, combining with daily inspections and real-time CCTV monitoring. it is expected to reduce system processing power consumption by about 10%. Radium plans to build an ESG green energy park in Taoyuan, equipped with solar modules, hydropower system, smart greenhouses and hydroponic farms.



寶鼎再生水場域 示意圖

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