香港環境卓越大獎
Hong Kong Awards for Environmental Excellence 2019

金 獎
Gold Award

製造業及工業服務
Manufacturing and Industrial Services

嘉利國際控股有限公司
Karrie International Holdings Limited
香港交易所上市編號 HKEx Listing Code (1050)

嘉利國際控股有限公司 — 東莞鳳崗嘉輝塑膠五金有限公司；
東莞鳳崗嘉安塑膠五金有限公司
Karrie International Holdings Limited – Dongguan Feng Gang Castfast Metal & Plastics Company Limited; Dongguan Feng Gang Caston Metal & Plastics Company Limited

嘉利國際控股有限公司積極實踐多項節能措施，於過去兩個財政年度成功節省390萬度用電量，減少碳排放1 441公噸。其中30%的成效來自加裝UV光解及活性炭處理技術減少絲印過程的排放；於水泵加裝變頻器；實行空壓機餘熱回收項目及全面更換節能發光二極管照明。

Karrie International Holdings Limited pro-actively implements multiple energy saving measures and successfully reduced electricity consumption and carbon emission by 3.9 million kWh and 1 441 tonnes in the past two financial years. Among which, 30% of the energy saving was accounted to the installation of activated carbon treatment and UV photolysis to reduce emissions from screen printing, addition of variable speed drives for water pumps, implementation of waste heat recovery of compressed air systems and full replacement of fluorescent tubes with energy efficient LED lighting tubes.

採用伺服電機注塑機取代16台油壓式注塑機，每年節省1 400 000度電。

Saving 1 400 000 kWh of electricity per year through replacing 16 sets of hydraulic injection moulding machines with servo motor injection moulding machines.

在2018年，為空氣淨化設施安裝紫外線光解及活性碳室，加快中和在絲印及噴漆工序排放的揮發性有機化合物。處理效率可逾80%，並符合排放標準。

Installing UV photolysis and activated carbon chamber in the air purification facilities in 2018 to increase the processing efficiency in neutralising the volatile organic compounds emission from silk-printing and paint spraying process. The VOC processing efficiency can exceed 80% and is compliant with the emission standard.

與香港科技大學環境及可持續發展學部合作進行「能源審計及廢熱利用」研究，為工廠研發了能源應用模型，以幫助預測在不同情況下的能源應用。

Engaging Division of Environment and Sustainability of Hong Kong University of Science and Technology to conduct a research study on "Energy Audit and Utilisation of Waste Heat" at the factories, in which an energy utilisation modelling tool for the factories was developed to assist the forecast of energy utilisation in different condition.