

Global waste-water reuse

Investment Case Study

Asset Class: Private equity (Targeted Opportunities Portfolio)

Location: Global

Circularity is an asset manager that invests in growth-stage businesses enabling resource productivity. Circularity believes that today's economy relies on a wasteful and polluting 'linear' take-make-dispose model of production and consumption. Circularity's investment strategy focusses on supporting businesses which can drive superior financial returns through retaining the value of products and resources over multiple use-cycles – in doing so delivering measurable positive environmental impact.

Circularity's portfolio includes Cerafiltec, which manufactures ceramic ultrafiltration membrane solutions to facilitate water re-use. With more than 110 projects in 35 countries worldwide, the company's technology is used for the treatment of drinking water, as well as wastewater for re-use, desalination, and industrial applications.



Image of Cerafiltec membranes installation for the upgrade at an existing waste-water treatment facility.

Today's freshwater industry is overwhelmingly linear with only a fraction of wastewater reused due to challenges including cost, energy intensity and the ability to adequately filter out pollutants. The EU estimates that just 2% of all wastewaters treated across Europe is reused¹.

Ultrafiltration membranes are a key enabler for both increased water quality and re-use through the removal of microplastics and industrial pollutants in addition to expanding clean water access and reducing greenhouse gas emissions.

¹ European Commission, https://ec.europa.eu/environment/water/pdf/water_reuse_factsheet_en.pdf