

FACT SHEET

EXAMPLES OF SUCCESSES IN THE WORLD

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The equipment to be installed in Quebec sorting centres as part of demonstration projects is already used in several cities around the world and are good examples in a context of *mixed materials recycling*.

GREAT BRITAIN

ARUNDEL

Like Quebec, Great Britain is a major wine importer but has very few green glass bottle manufacturing plants. The Arundel sorting centre operated by Viridor is located at the south end of England, far from traditional markets for recycled glass. Viridor, Great Britain's leading glass conditioner, owns several sorting centres. This highly mechanized centre processes in excess of 80,000 tpa, of which almost 20,000 tonnes of glass, and serves a population of one million. It has been using Krysteline Technologies' implosion equipment since 2008, in addition to complementary integrated screening and cleaning machines.

Glass market outlets: Aggregate for local use as sand substitute for infrastructure projects

NORTH LONDON

Europe's largest sorting centre, located in North London, is highly mechanized and sorts up to 350,000 tpa, of which 55,000 tonnes of glass, and serves a population of one million. The Krysteline implosion system, integrated into the centre's operations since 2013, makes it possible to adapt glass production to market demand.

Glass market outlets: Made into new bottles and mineral wool, glass sand, abrasives and filtration sand



PEOPLE'S REPUBLIC OF CHINA

MACAU

Macau, which is located across from Hong Kong on the south coast of People's Republic of China, is the most densely populated region in the world with a population of 636,200 living in an area of 30.2 km². Since Macau is a popular tourist destination, it generates a great deal of glass, especially in the many casinos and restaurants.

Since 2012, the Macau sorting centre has used Krysteline equipment to convert glass into products for local use.

Glass market outlets: Glass sand in the construction of block paving for pathways



AUSTRALIA

MACKAY, ROCKHAMPTON AND LISMORE TOWNSHIPS

The three sorting centres in the townships of Mackay, Rockhampton, in Queensland, and Lismore, in New South Wales, Australia, each serve a population of 150,000. Representatives of these sorting centres were seeking a local solution to sort and recycle glass because the distances to traditional markets of recycled glass were too far away. Thanks to a glass implosion and cleaning system featuring a gyratory screener, they now purify and calibrate glass for various alternative markets. This innovative technology solution has enabled them to develop new markets while significantly reducing transportation costs.

Glass market outlets: Glass sand for filtration, abrasives, and other local uses such as aggregates



Photo: Mackay sorting centre



All the details can be found on the website at www.ecoentreprises.qc.ca/glass
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