

Waste water Recycling



Sustainable Engineering Solutions, with their head office in Somerset West in the Western Cape, recently had an information day to demonstrate their Package Waste Water Treatment Plant.



Cavalli's waste water treatment plant, completely out of sight

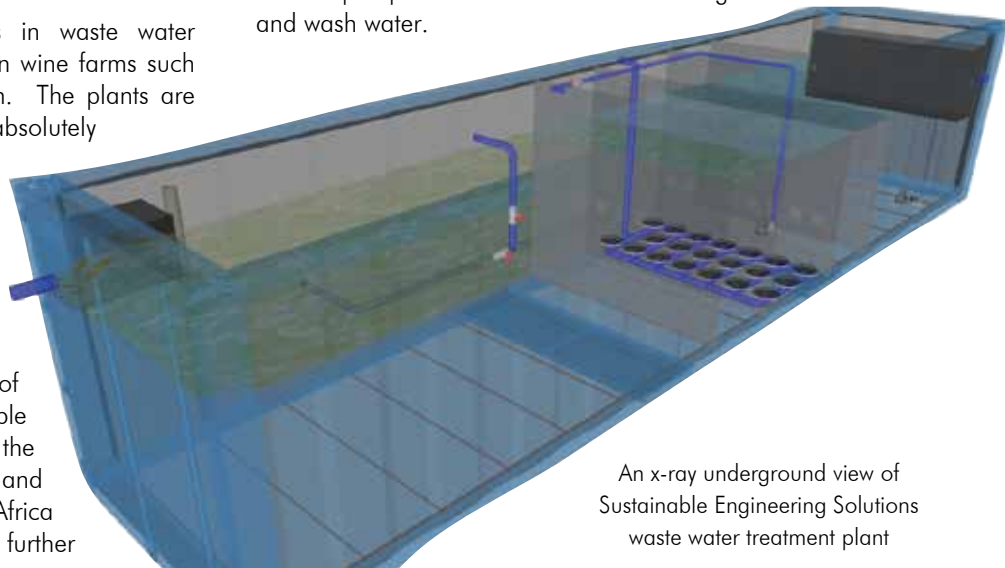
The firm has completed several projects in waste water recycling and treatment, including several on wine farms such as Beyerskloof and Kanu, near Stellenbosch. The plants are submerged underground, and there is absolutely no strange smells anyone near these, on visiting them!

Sustainable Engineering Solutions sales and marketing manager Luke Davidson says there is a rapidly increasing awareness and need in the wine sector for the treatment of the wastewater. After treatment with Sustainable Engineering Solutions plant and technology, the clean water is often pumped back into rivers and dams. The firm is working throughout South Africa and also reports high demand for its services further afield in Africa.

Sustainable Engineering Solutions also constructed for the prestigious Cavalli Stud Farm a 25 m³/day waste water treatment plant to treat the effluent from four houses, the stables and event/restaurant complex. Cavalli Stud Farm has garnered much recognition for its architecture and beautiful gardens. So it is not surprising that for aesthetic purposes the waste water treatment plant was built underground with only the manholes showing on the surface. Fynbos was replanted over the entire waste water plant to blend in with the landscape. The treated water is used for the gardens.

At Le Fleurbaix, a lifestyle farm, near Stellenbosch, a 25 m³/day waste water treatment plant was constructed treating all effluent according to the Department of Water Affairs General Standards, says Sustainable Engineering Solutions.

Sustainable Engineering Solutions has recently been awarded contracts to do numerous plants at the Square Kilometre Array (SKA) Project near Carnavon. The SKA will be the most powerful radio telescope in the world. To serve the needs of the two construction camps at the site, Sustainable Engineering Solutions will be responsible for two waste water treatment plants, three water chlorination stations, three reverse osmosis systems and booster pump sets for reticulation of drinking and wash water.



An x-ray underground view of Sustainable Engineering Solutions waste water treatment plant