

Livestock wastewater treatment system

Zan Systems Ltd., based in Israel, has developed a compact, unique and environmentally friendly treatment system for sewage from cow milking centres. The system, which works on five different levels, separates liquids and solids mechanically and chemically, and then introduces a new procedure to remove germs from water. The system combines aerobic, anaerobic, ozone and disinfectant treatment. The resulting treated wastewater can then be reused for agricultural purposes as well as for cleaning the milk centres.

The pre-assembled modular treatment system is specifically designed to fit inside standard shipping containers. It offers an all-in-one solution that can be used immediately and can be custom-designed for each dairy's requirements. Some benefits provided by the Zan system include:

- Costs significantly less than other systems;
- Provides complete liquid sewage treatment;
- Takes up 90 per cent less space than other treatment systems;
- Offers specially engineered solution; and
- Can be operated easily.

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