



Abstract

A French company specialised in urban water treatment has developed a compact membrane bioreactor for wastewater treatment which delivers a high quality water for the cost of a standardized product. The company is looking for technical cooperations and potential commercial agreements including technical assistance.

Description

This compact membrane bioreactor is designed for wastewater treatment of little capacity. This system delivers a high quality water (respecting the swimming quality standards) in a standardised product. The quality is ensured by the principle of membrane bioreactor (with a physical retention of suspended solids and bacteria). The standardisation of the product allows the company to offer this treatment in a compact unit for a relatively low price.

Innovations and advantages of the offer

The innovation of this system is the standardisation for little treatment capacity which gives a good solution for clients who need a high quality water (for example, when the treated water is rejected in a swimming area) and can not afford a custom built plant. The French company has designed two modules for 400 pe and 1000 pe capacities and these modules can be added if necessary. (pe = person equivalents). In some cases, this technology can give a very cost effective alternative:

- where the civil engineering cost is high especially,
- where the client has to choose between membrane treatment with water rejection near from the plant and standard treatment with rejection far away from the plant.

In any situation, the membrane technology is the best technology in terms of environmental impact on the water resource.

Current and Potential Domain of Application

Any client who needs a high quality water for little treatment capacity could be interested. e.g. beaches

For further information (including IPR status) please contact:

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