

The invention discloses a floating wetland type intelligent automatic sewage treatment device which comprises a stuffing box, a solar cell panel, a storage battery, a single chip microcomputer control unit, a dissolved oxygen monitoring probe, a water pump and a propeller, wherein a stuffing matrix is filled in the stuffing box, plants are planted on the surface of the stuffing ...

Solar water evaporation is regarded as a promising toolset for decentralized drinking water purification. This study predicts the global drinking water supply potential via solar water evaporation ...

A single-factor evaluation method was used to contrast and assess the benefits of the initial rainfall interception project in terms of water quality enhancement. Results showed that initial rainfall pollution was gentler under light rainfall conditions but more prominent under moderate and heavy conditions. The percentages of NH₃-N, COD, and TP in Lotus ...

Three sensors made up of inductive and capacitive proximity sensor and a moisture sensor are employed in the dump tray to detect whether the waste is metal, paper or a wet substance and ...

The study proposed a device named "Solar Powered Automated Waste Restraining Device for Sewages." This equipment will prevent the sewages from clogging by ...

Three sensors made up of inductive and capacitive proximity sensor and a moisture sensor are employed in the dump tray to detect whether the waste is metal, paper or a wet substance and subsequently direct the waste to the appropriate bin.

To beat this sort of issues visage by the manual employees and health problems, we tend to project an automatic mechanism, "Automated Drain sewage Cleaner". This system is ...

This project involved both simulation design and mechatronics implementation of solar tracking system that ensures that solar panel is perpendicular to the sun to obtain maximum energy falling on it.

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The main objective of this project is to design a system using Arduino UNO for automatic segregating of waste at source and capable of cleaning. It is based on the principle of EM induction. Ultrasonic sensor estimates the distance and the status of ...

Solar automatic sewage interception device

Therefore, the Government decided to provide interception facilities at the downstream end of the Box Culvert to improve the water quality for better development around Kai Tak. This project involved the construction of a fully automatic interception compound with a sewage pumping station near Kai Fuk Road. These facilities are the first of their kind in Hong Kong with ...

The new integrated smart interception well developed by Shanghai Liancheng (Group) Co., Ltd. effectively solves the problems of difficulty and high cost in the diversion of rainwater and sewage and the transformation of the municipal ...

The utility model provides a device that is cut in solar energy hydraulic pressure automatic control, relates to city drainage facility field, includes: an intelligent control cabinet; the...

An intelligent monitoring and automatic technology, applied in the field of interception wells, can solve problems such as pump and valve blockage, incomplete pollutant data, and inability to achieve sewage interception, and achieve the effect of reducing accumulation and reducing the risk of sludge blockage.

The study proposed a device named "Solar Powered Automated Waste Restraining Device for Sewages." This equipment will prevent the sewages from clogging by

To beat this sort of issues visage by the manual employees and health problems, we tend to project an automatic mechanism, "Automated Drain sewage Cleaner". This system is employed to scrub drainages eliminating human labor involvement and ...

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