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**HYDRAULIC RECOVERY, MANAGEMENT AND DISTRIBUTION STATION
RAIN WATER AND GROUNDWATER**

**Abbreviated: SWSS
(Secondary water supply station)**

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This fully automated hydraulic station aims to collect, store, discharge, drain and regulate rainwater and groundwater to limit floods, pollution and erosions, it also aims to provide secondary water and / or drinking water.

This new concept will:

- to collect rainwater
- to collect groundwater by gravitation due to insufficient rainwater
- to recycle rainwater
- to recycle groundwater
- to store rainwater in tanks and / or tarpaulins
- to store groundwater in reservoirs and / or tarpaulins
- to evacuate by gravitation the surplus of these rainwater towards the sub-layers
- Evacuate by pump (s) lifting these rainwater to storage tanks and / or to storm sewer systems and / or streams.
- to transfer these rainwater and groundwater from one reservoir to another
- to supply secondary water
- to provide drinking water by combining specific filtration and treatment devices

Inventiveness

- By means of a set of tanks, unidirectional pipes, bidirectional pipes, collectors, drains, booster pumps, filters, manual valves, motorized valves, probes and various other control accessories, automatons It will be possible to carry out a wide range of operations for the collection, storage, transfer, disposal of rainwater and groundwater.

- Probes of all kinds and various other management accessories will allow and / or authorize unidirectional circuits and / or bi-directional circuits according to the flows and the storage of water and also according to the established configuration of the automata and / or other management devices.

The concept referred to above will be divided very distinctly into three types of Hydraulic Stations for:

- Individuals
- Communities
- Communes

The tanks will be designed mainly in concrete (cast and / or prefabricated), they may possibly be made of polyethylene and / or other materials ...

Purpose of the concept:

- Provide secondary water needs for various uses that do not require drinking water and also in some cases environmental, technical and financial, produce drinking water.

Potential customers :

- Individual

- Communities: Industry, Commerce, Industrial Zone, Administration, Hotel, Collective Real Estate, Residential Real Estate, Golf Course Manager ..., Agriculture and similar, Camping, Fire Rescue Center, Village ...

- Municipality and Community of Communes

Sectors of implantation: Any sector

Target countries: (all categories of populations)

- La France
- International

POTENTIAL ECONOMIC IMPACT

- Develop agriculture, arboriculture, market gardening, horticulture, viniculture, other ...
- Develop tourism
- Develop the industry
- Develop the building
- Develop trade

Technical advantages

- Total autonomy (hydraulic and electric) Hydraulic Stations whatever the type
- Bidirectional hydraulic circuits
- Electric autonomy (three types): networks and / or solar and / or wind

Economic benefits

The economic advantage will be enhanced by the automated management of the entire concept regardless of the volume, the location and the type of potential customer.

- Whatever the configuration of the site, the choice of the chosen technique, the nature of the water and the diversity of Hydraulic Stations, each of these Hydraulic Stations will be fully automated from upstream to downstream and will be modeled as a result to meet the hydraulic needs while ensuring the quality of the water used and / or rejected.

Environmental advantage:

- Contribute to limiting pollution, erosion, floods, desertification, fires
- Contribute to the preservation of groundwater and contribute to irrigate the sub-layers