

Digital Environmental Solutions

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Background

- The sources of water in Jordan (10 Millions) is very limited (Rain Water, Ground Water),
- This water dirty and undrinkable,
- Jordan market has 200,000.00 water purification Shops deal (Sell and Buy) clean water (good m
- Those shops save the water in safety Storages (12000 L Scale)/Storage,
- All of those shops use manual valve:
- Those manual valves suffering from:
 - Water Leakage appears at the most of the time,
 - If you forget the valve is opened filling the gallon, bulk of clean water floods and overflo
 - This flood is huge! more than 25% of clean water overflows every time we fill one gallon

Also

- Also, If there are many employees in the shop; then, there is no idea who filled the gallo or how many gallons every employee is filling the gallon (Rubbery!!!)

Also

- Nobody knows how much water still does storages,
- No accurate value regarding the quantity or the quality of the water in the storages,
- Nobody knows if the water is clean, dirty, or drinkable/undrinkable,
- Nobody knows how many gallons every employee fills every time,

Consequences

- Big problems in society,





■ Solution

■ Digital Device substitutes the manual valve could solve those arguments

- This digital device contains different electronic sensors((Ph. CL, Temp.),
- This digital device has the ability to measure the quality and quantity of water,
- If the water quality is out of standard, then the device will stop working automatically,
- This device has the ability to fill specific quantity /Liter of water (Not more not less)
- This device can give you how much water do you still /remain in the water storages
- This device can give you how many gallon (Liters) filled by every employee per time (Hour, Day, Week, Month, Year)

Also

- The device has keyboard, screen, to insert login and quantity of water the employee will fill
- The device connects with mobile App, giving some details like:
- Who uses this device in any time
- How many gallon each employee fills each time
- Database with number of gallons, number of liters remain in the storages and any other info.
- Sheet bars per hour/day/week/month/year.
- Ability to send SMS to stackholders with those details.

Also

- The device is not used in the market
- The device could be registered as patent
- The device costs only 90Euro
- The device is very compact, very small size

Business Model

- Our customers are: 200, 000 water shops, 4Millions Houses, Schools, Hospitals and ministries (Everywhere we use manual valve)
- 100 devices will be fabricated at the beginning,
- A Workshop for Demonstration to stakeholders will be organized in all over Jordan to explain the benefit of this device.
- Free of charge first 100 devices will be given to the stakeholders to check it
- MoU and MoA will be signed with other stackholders to sell them this device
- TV Interview, Radio broadcasting and newspaper material will dessiminate this device
- Find coordinators in 12 main districts in Jordan who can sell this device
- Contact with Jordan Champain of Commerce and Trade to sell this device in other countries like Saudi Arabia, Qatar and Gulf Arab States.

- **Implementation Team**

- Three experts in the area of Embedded Systems are working to register this device ad patent:
- Majed Al-Khateeb: Smart Digital Systems, 20 years in the market
- Muntaser Ajlouni: King Sultan University, 10 years teaching Embedded Systems
- Abdoul Rjoub: 25 years in Academia and Industry, 25 years in Embedded Systems Design
- **Revineu**
- **1000 Pieces /year will be distributers over 12 districts in Jordan**
- **Feedback from each customer will be taken in mind for further analysis**
- 20,000 Pieces/2nd year will be distributed again in Jordan and Gulf Arab States
- Possibility to contact with Chamber of commerce and trading in MENA
- Needs
- 15,000 Euro start up company: Personnel Cost, rent building, flyers, TV Media
- 5,000 Euro personnel cost