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Savater

全世界目前有七億五千萬人無法取得安全可飲用的水源，相當於二點五倍美國的人口正受到水源疫情的威脅，多數集中在東南亞、非洲、南美等第三世界國家，因缺水而死亡的兒童每四小時就能填滿一架大型客機，水是人類生存的必要條件，我們設計了一款安全的取水裝置，內需的濾材為野外即可得到的石塊沙粒，依照層層相疊的放置即可有效過濾出安全水源。

Over 750 million people don't have access to clean water in third-world countries. They get sick or even die from dehydration, sanitation or hygiene-related causes. A lot of communities have started to focus on solving water problems in third-world countries. However, all those products used nowadays are still for individuals. Once the population increases, all the supplies are going to run out. To let everyone have an equal right to use clean water is the main goal for SAFATER. By changing the filtering device from a personal item to a public facility, everyone can have access to clean water.



得獎作品

Award Winning Works

THIRD WORLD PROJECT

# SAVATER

EVERY BODY HAS THE RIGHT TO USE CLEAN WATER

## WATER FACTS

- 750 M people lack access to clean water, that's almost 2.5 times the US population.



- More than 2.4 million people die each year from water, sanitation, and hygiene-related causes. Nearly all deaths, 99 percent, occur in the developing world.



- Lack access to clean water and sanitation kills children at a rate equivalent of a jumbo jet crashing every four hours.



- Water pollution in the developing nations is caused by animal and human waste, overapplication of fertilizers, industrial chemicals, urban runoff, and a general lack of pollution prevention laws and their enforcement.

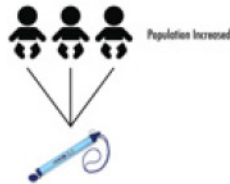


## SOLUTIONS NOWADAYS



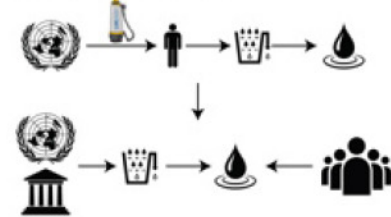
For Individuals

WHAT IF ...



## FROM INDIVIDUAL TO GOVERNMENT

Turn individual filtering devices into public facility.  
Let everyone have equal rights to use clean water.



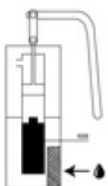
## SCENARIO



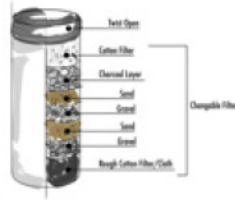
## FILTER - Self Changing Filter



### MECHANISM DIAGRAM



## PUMP - Twist Connect To Filter

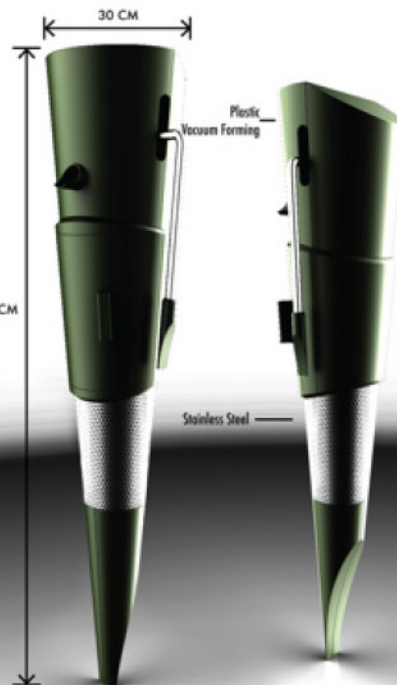


## PILING

## ROUGH FILTER - Stop Leaves And Other Larger Impurities



40 CM



# SAVATER

DESIGN OVERVIEW