

# Smart Reservoir

**you will always have water**

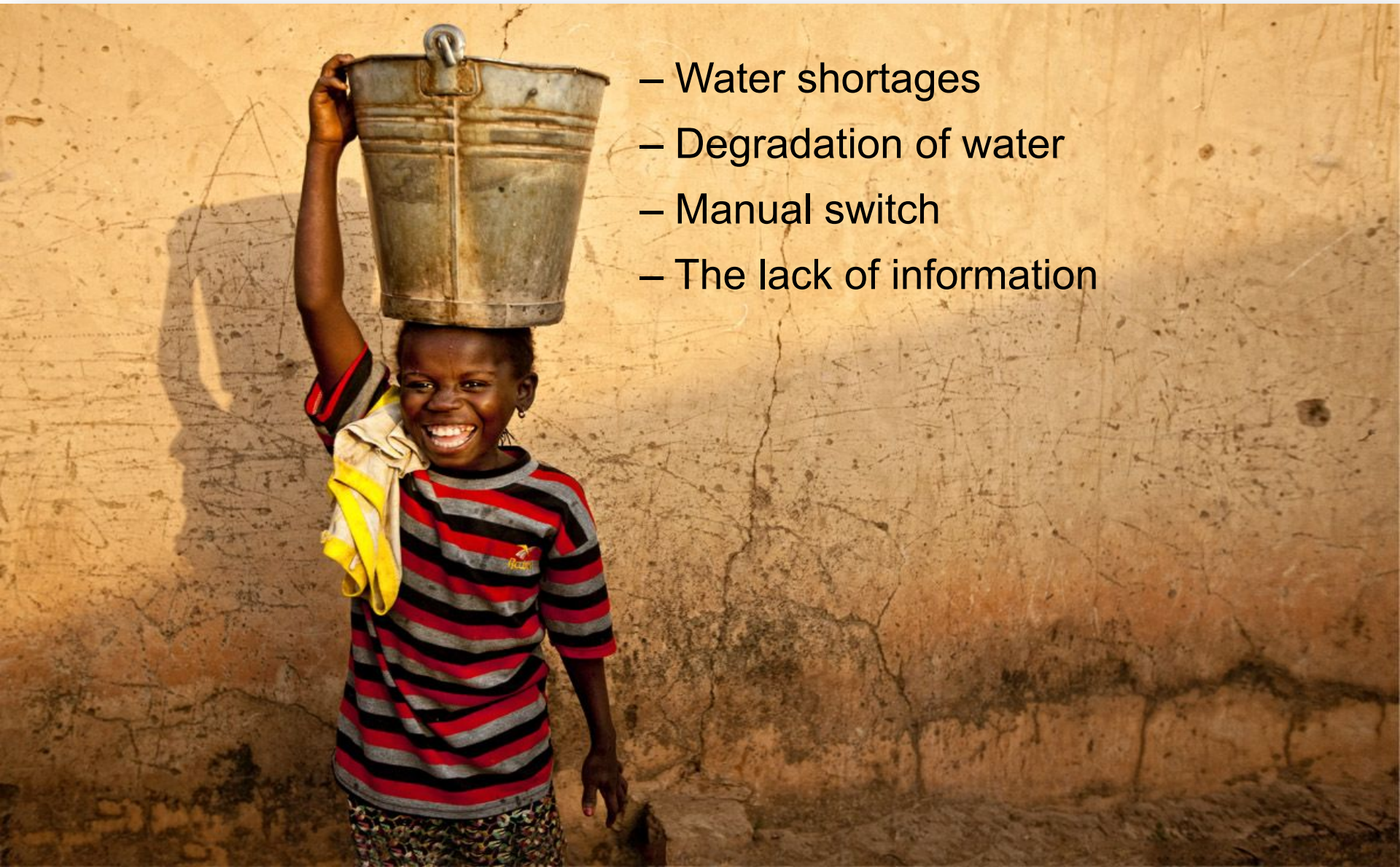
# What is problem?

In many districts the water runs only for several hours



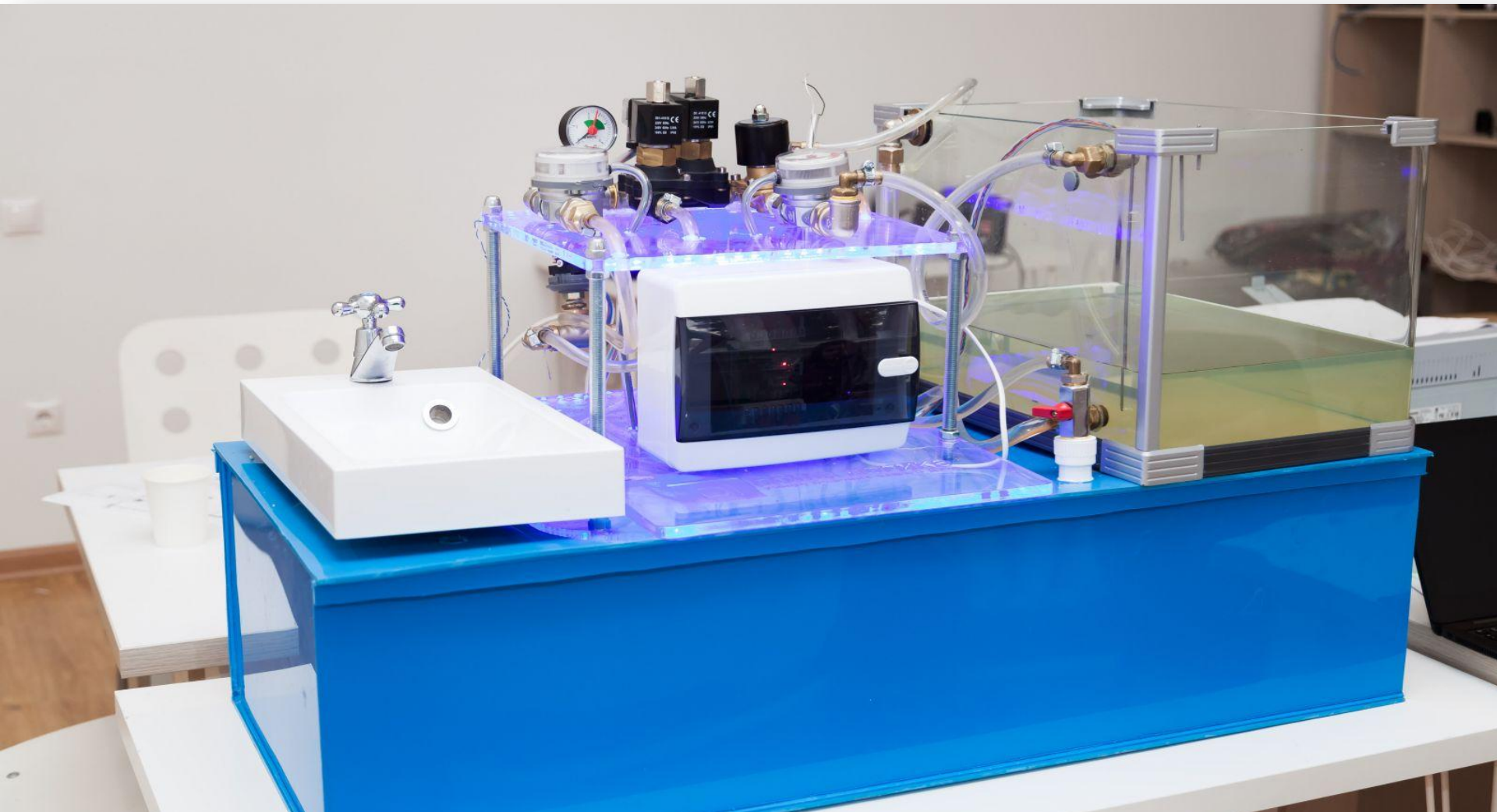
Until now this problem has been solved by installing an ordinary water container but here with new problems rise:

- Water shortages
- Degradation of water
- Manual switch
- The lack of information



# Our solutions

"Smart container" gets rid of a manual control and makes the whole switching process automatic



# Water scarcity

## by the numbers

**50** percent  
of Earth's population  
in 2050 will live in a  
water scarce area

reporting by Tanya Parker  
designed by Matt Nelson

The demand for water is higher than its availability. This graphic breaks down some of the problems and solutions of the water scarcity crisis.

**30** days

the amount of time it takes most water companies to find a leak in or leading to your water pipes

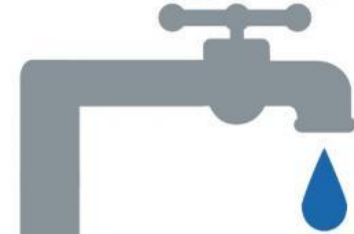
**15** minutes

how long it takes DC Water smart meters to notice a leak. The company will text, call or email an alert to you within two days.



**80** years old  
the age of most water pipes in the United States

**36** million gallons  
the amount of water that leaks from the New York water supply every day



# Customers

A group of women, seen from behind, are walking along a dirt path. They are carrying large, light-colored plastic jugs balanced on their heads. They are wearing colorful, patterned dresses. The background is a hazy, open landscape under a bright sky.

**Our device is primarily necessary for those regions which have the water delivery breakdowns or the hourly water delivery.**

**Practically it is almost the whole territory of the former USSR, which is Ukraine, Belarus, Armenia, Georgia, Kazakhstan, Kirghizia, Tadzhikistan and others, as well as countries of the Near East.**

**Six largest metropolitan cities of India - Bangalore, Delhi, Calcutta, Mumbai, Hyderabad and Chennai - suffer badly from water shortage.**

# Market

- As of the year 2000, there are 150 million people living in urban areas with perennial water shortage.
- 886 million people live in cities that experience seasonal water shortage.
- In the year 2050, that number is expected to jump to 993 million with perennial shortage and 3.1 billion with seasonal shortages.

**How will developing countries develop if they don't have enough water?**

# Project status

- The prototype has been worked out and assembled.
- Two samples have been sold
- About 6000 dollars have already been invested in the development.
- An application for a patent has been filed.





# Our needs

- **We would like to meet manufacturers/suppliers of components kit;**
- **We are interested in manufacturing servo drive for water.**
- **We are also interested in manufacturing the whole mechanics in one unit.**
- **We are ready to consider the possibilities for long-term co-operation.**

# The team



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