

zero
health

The logo consists of the word "zero" in a bold, dark blue, sans-serif font on the top line, and the word "health" in a smaller, bold, dark blue, sans-serif font on the bottom line. To the right of the text is a large, stylized number "7" in a gold color. The "7" is composed of a horizontal top bar and a vertical stem that curves slightly to the right at the bottom. The entire logo is centered on a white rectangular background.

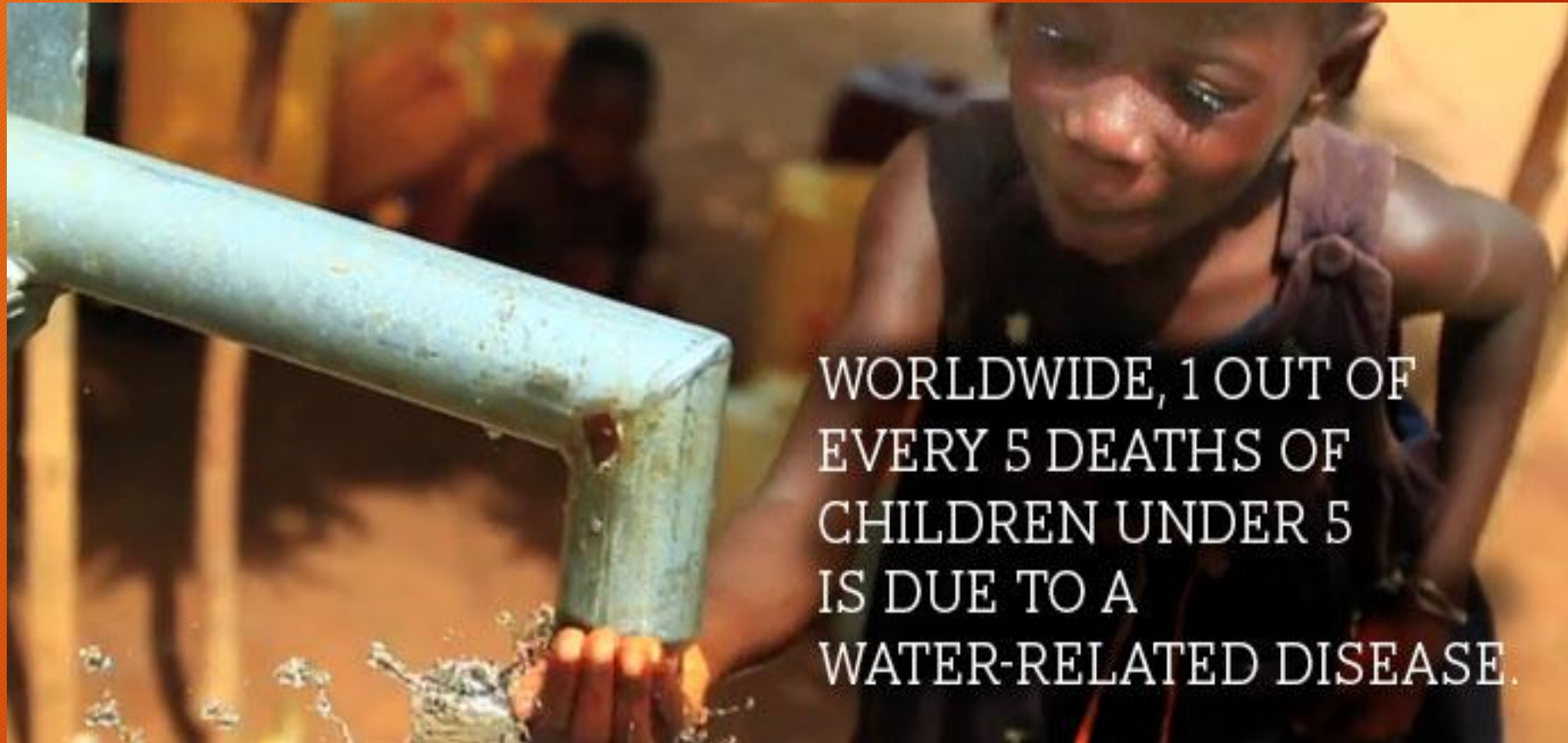


“Zero tolerance on health compromise”

Non-Chemical Instant Water Purification Presentation

CHALLENGE

zero7
health



WORLDWIDE, 1 OUT OF EVERY 5 DEATHS OF CHILDREN UNDER 5 IS DUE TO A WATER-RELATED DISEASE.

CHALLENGE



*A pity those 'backlogs' just seem to be getting worse and worse..... Another "challenge"..... Our water is so polluted it is frightening. But I suppose we have been lucky all these years. Not many countries where you can drink municipal water. I must admit though, once you have used harvested rainwater inside your house it is very difficult to use municipal water again. You can immediately feel the harshness (chemicals) of the municipal water on your skin. Are we then really lucky?
Unknown*

CHALLENGE

zero7
health



Running water in the area has been cut off with the department suspecting a case of contamination being the cause of the outbreak. (North West)

CHALLENGE

zero7
health



CHALLENGE

zero7
health



CHALLENGE

zero⁷
health



WORLD WATER FACTS:



- Nearly a billion, 884 million people do not have access to clean and safe water. 37% of those people live in Sub-Saharan Africa.
- 1 in 8 people world wide do not have access to safe and clean drinking water.
- 443 million school days are lost each year due to water-related diseases.
- In developing countries as much as 80% of illnesses are linked to poor water and sanitation conditions.
- Half of the world's hospital beds are filled with people suffering from a water-related disease.
- Girls under the age of 15 years old, are twice as likely as boys to be the family member responsible for fetching water.
- Over half of the developing world's primary schools don't have access to water and sanitation facilities. Without toilets, girls often drop out at puberty.
- 84% of the people who don't have access to improved water, live in rural areas, where they live principally through subsistence agriculture.
- The average container for water collection in Africa, the Jerry Can, weighs over 40lbs when full.

WORLD WATER FACTS:



- Almost two-thirds, 64% of households rely on women to get the family's water when there is no water source in the home.
- Globally we use 70% of our water sources for agriculture and irrigation, and only 10% on domestic uses.
- Nearly 1 out of every 5 deaths under the ages of 5 years, worldwide is due to a water-related disease.
- According to the World Health Organization, for every \$1 invested in water and sanitation, there is an economic return of between \$3 and \$34!!!
- By investing in clean water alone, young children around the world gain more than 413 million days of health.
- The United Nations estimates that Sub-Saharan Africa alone loses 40 billion hours per year collecting water, the same as an entire year's labor in all of France, Burkina, Faso, Kenya, Sierra Leone, South Sudan, Rwanda, Uganda.
- Research has shown that for every 10% increase in women's literacy, a country's whole economy can grow by up to 0.3%.



zero
health **7**

SOLUTION

zero
health **7**

WATER PURIFICATION VEHICLE

zero7
health





zero
health **7**

WATER PURIFICATION



- Norit Water Miracle for portable water purification in crisis areas
- Unique patented membrane technology Norit X-Flow
- Capacity up to 6000 l/h of safe potable water
- 3 litres of water per person for more than 40 000 people
- Certificated rejection 99,9999% of bacteria
- Certificated rejection 99,99% of viruses
- Tasteless, odourless, colourless water
- Plug and play / one button operation
- No chemical use during operation
- Powered by line voltage 230V, generator or solar panels
- Membrane lifetime of 5 to 7 years

Deployment

Peru
Romania
Angola
Benin
Sierra Leone
Mali
Uganda
Rwanda
India
Pakistan
China & others.

zero⁷
health





100 litres per minute...

3 litres of water per
person for more than
40 000 people



zero7
health

Introduced
in NATO member
states Armed Forces
(Germany, Great
Britain, Ireland,
Netherlands and
others)

KEY ADVANTAGES



- Mobility
- High transit even in difficult and inaccessible terrain
- Multi-purpose use
- Deployment options: floods, earthquakes, tsunami and other natural disasters and industrial catastrophes
- Proven rejection of Vibrio cholera bacteria (deployment of technology in Tropic Teams of prof. V. Krčméry to Haiti in 2011)
- Tested and certified rejection of 99.99% of all known pathogens in the water (bacteria, viruses, protozoa, including bacteria E-coli)
- The technology is also highly effective against cysts (giardia and cryptosporidium)
- Wide service network

- Vehicle is transportable by plane (Hercules C-130, IL-76, Airbus A 400 M, C-17, C-5 and similar)
- Introduced in NATO member states Armed Forces (Germany, Great Britain, Ireland, Netherlands and others)





zero⁷
health

STRAŽAN, MERCEDES-BENZ



Chassis

- Brand: Mercedes-Benz
- Type: Zetros 2733/6x6
- Category: N3G
- Engine type: OM 926 LA. V/3
- Max. engine output: 240 kW at 2 200 rpm
- Max. torque: 1 300 Nm at 1 200 - 1 600 rpm
- Wheel base: 4 750 + 1 450 mm
- Emission EC/ECE: 2005/55*2008/74G (EURO5)
- Clearance: 428 mm
- Front angle of approach: 34°
- Rear angle of approach: 35,6°
- Ramp angle: 25°

Single technical unit (Superstructure)

- Type: special fire - fighting superstructure
- Mark: STRAŽAN
- Type of superstructure: CAS S33/8 000
- Tank capacity: 8 000 l

Overall dimensions

- Length: 9 755 mm
- Width: 2 540 mm
- Height: 2 920 mm
- Wade: 1 100 mm
- Max. overall weight: 27 000 kg



zero7
health

Special Non-Chemical Water Purification Vehicle



- The superstructure of the vehicle is of Slovak production, from the first idea design, through construction to the final manufacturing. The superstructure is settled on the chassis of the vehicle with the water tank located lengthwise to the axis of the vehicle.
- Could be equipped with the Hiromax extinguishing system, which is used for fire-fighting against grade A and B fires by water aerosol, water aerosol with additives, water or water with additives.
- Norit Water Miracle equipment for purification of water into potable water in crisis areas... equipped with Norit X-Flow membranes as first barrier.
- Capacity is 6000l of fresh potable water per hour.
- Water pump and air compressor are hydraulically driven by gearbox G 131 - 9.
- Tank is made of stainless steel with capacity 8000 l of water, it is self-supporting and is fitted on base frame above the rear axle.
- Part of the superstructure are two hose reels. There is also a fitted system of pipes for cooling the hydraulic oil, compressor oil and compressed air from the extinguishing system Hiromax.
- Tank carries all the components of the superstructure, vehicle equipment and tank canning. Superstructure side boxes are equipped with roller shutters.



Authorised STRAŽAN supplier for the African Continent

www.zero7health.co.za
Info@zero7health.co.za
+27 12 770 6866

Thank you