



SAVING LIVES

Supplying Ukrainian Schools, Hospitals and Communities with Clean, Safe, Water

CONFIDENTIAL

1) Introduction

The supply and maintenance of safe clean drinking water in local communities for which local Mayors are responsible (to safeguard supplies to hospitals and schools in the Ukraine) has now been significantly compromised due to the ongoing conflict. Whatever water supplies remain available, these supplies are now microbiologically contaminated which renders them potentially unsafe for human consumption or for hospital use. Further disruption to the Ukrainian municipal water supply remains a strong possibility and those communities need help to guarantee safe water supplies.

As a result, if we are to help save lives in the Ukraine and maintain the vital local infrastructure of hospitals and schools, through the supply of clean safe drinking water, there are two urgent actions required:

1. **Directly Affected entities** - There is an immediate need to provide clean safe drinking water to schools and hospitals, which have been directly affected by the conflict. This includes clean, safe water requirements for use in vital medical procedures. Both entities need urgent access to clean, safe water as soon as is practically possible.
2. **Preparedness** - There is a parallel requirement to assist the Ukrainian nation, so it is better prepared to face a drawn-out conflict. This will be through the placement of a strategic stock of water purification capability, to be held in the Ukraine and within the control of locally elected officials and Mayors, for rapid deployment in their local schools and hospitals as and when required.

This proposal addresses both issues and via its implementation, will help ensure the supply of clean, safe drinking water and will also ensure a strategic stock of water purification capability within the Ukraine, for deployment in schools and hospitals, which may be affected in the future.

The prime focus of this project will be on providing proven, larger water volume solutions to serve the needs of a school or hospital with water purification capability, which can be easily transported and installed in the exact location required. This may be inside a school or adjacent to a hospital ward or operating theatre or even mounted on mobile water bowsers that can be positioned in the local areas affected or where need is greatest at any particular time. The provision of clean safe water is therefore provided at the specified point of use.

This proposal utilises our Icon **LifeSaver C1** product which has been specifically developed in conjunction with NGO's to provide larger scale humanitarian relief in the face of global natural and man-made disasters where safe drinking water supplies are at a premium. It is very easy to install and has been deployed successfully for several years and as such, is proven in hazardous environments.

Icon LifeSaver C1 products are easily transportable water purification units capable of removing all microbiological contamination from local, indigenous, or contaminated water sources. They achieve this without the need for chemicals, external power, or batteries and remove 99.99% of all viruses and cysts, and 99.9999% of all bacteria. They have a secondary filtration process utilising a carbon block which reduces chlorine, metals, and chemical contaminants. The products are made in the UK by Icon LifeSaver Limited, a company that has had over 15 years' experience in global disaster relief.

The LifeSaver C1 is a portable, lightweight product designed to connect easily to a mains water supply, an overhead water storage tank (min. 2 metres off ground), or a supply from a local source utilising some type of pump mechanism. The only requirement is a pressure of a least 0.2 Bar (2.85 PSI). With this amount of pressure, all the user need do is turn the tap to release a strong flow of safe, clean drinking water. The C1 delivers 500,000 litres of safe drinking water. It is incredibly robust and easy to install via push-fit, common screw or garden hose type connectors.

It also utilises inherent Fail-safe technology which ensures the system shuts down when the filter needs replacing meaning that contaminated water cannot be consumed by the end user. Replacement filters are available which means that the LifeSaver C1 when deployed in the field, should remain in operational use for many years, thereby extending the life and profile of this project. Prices for these replacement membranes are available on request.

The C1 product can be co-branded, to inform and demonstrate the involvement of any sponsor supporting this initiative. There is ample space on the product to place a sponsor's logo, name and/or motif in order to acknowledge the support given to the people of Ukraine.

Thermal protectors are available and recommended to prevent the contents freezing in extreme cold conditions.

Full training in the use and deployment of the LifeSaver C1 product will be provided as part of this project proposal. All products come with a translated paper technical manual and a quick user guide which covers training requirements. There are no licensing or export/import control issues.

Icon LifeSaver will be working in conjunction with our NGO partner, the Humanity Through Freedom Foundation, to select and approve the best distributors in the Ukraine working in conjunction with local Mayors and elected officials in Ukraine. This will ensure that the products are stored and distributed in the most efficient manner for either immediate deployment or as stock holding for future strategic responses.

2) Products recommended - LifeSaver C1



LifeSaver C1 – Operational Specification

- In line water purifier which purifies at point of use.
- Purifies up to 500,000L per filter – extend life with replacement filters.
- Provides daily clean water requirements for 500 people for one year (based on WHO guidelines).
- Flow rate 1.25 litres/min.
- TRL8.
- Suitable for schools and hospitals.
- Lightweight and robust for ease of transport.
- Very easy to install to water supply in any location using readily available connectors.
- Can be used in conjunction with a vehicular mounted water tank or a water tanker providing mobile purification which discharges clean drinking water to the local community including schools and hospitals
- Provides 500,000 litres of clean water at a cost 0.004 pence per litre
- 1.2kg dry weight.
- Filters Independently tested to exceed full NSF/ANSI P231.
- Deployed by NGO's around the world.
- Utilises LifeSaver's known and trusted "*fail safe*" filter technology – no contaminated water can pass through the filter once it has reached capacity.
- Can be co-branded with sponsor logo and motif.

3. Proposal

To achieve the above stated objective of supplying clean, safe drinking water to schools and hospitals in the affected areas of the Ukraine, and to provide a strategic stock of water purification capability, it is recommended that we adopt the following strategy and tactics:

1. Support the above objectives, with the recommended volume of LifeSaver C1 products to use in directly affected schools and hospitals and to be better prepared by securing and placing a strategic stock of water purification capability in the Ukraine.
2. Establish a dedicated production cell within the business with all production output of LifeSaver C1 products from this unit exclusively deployed to this project.
3. Products to be delivered throughout 2023 with deliveries commencing in March 2023. Once the volume of products required is agreed, we will confirm the phasing of deliveries with a focus on expediting despatch to agreed distribution locations.
4. Products will be supplied on an ex-works basis. Icon LifeSaver will assist in arranging transport and shipping as appropriate.
5. Terms of payment are 50% with order and balance of 50% pre-shipment commencing.
6. We recommend a total volume of 5,000 C1 filter systems. These would be split as follows:
 - 3,500 C1s being allocated to those schools and hospitals directly affected so that up to 1,750,000 people would receive clean, safe drinking water for one year; and
 - 1,500 C1s held in local depots as strategic stock. This would be available for deployment in a further 1,500 schools or hospitals which would represent an additional 750,000 people receiving clean safe water.

The total cost for this project would be 5,000 products at £2,000 each giving a total cost of £10,000,000. This amount of product would supply a total of 2.5 billion litres of clean drinking water which could supply up to 2,500,000 school pupils or hospital patients with clean safe drinking water. The effective cost is 0.004p per litre

Summary

- The need for safe drinking water for schools and hospitals directly affected by the conflict in the Ukraine, is a critical basic human right and there needs to be a rapid, expedited response to address this need.
- In addition, the Ukraine nation should be better prepared for a drawn-out conflict and secure and hold in appropriate localities a strategic stock of water purification capability for future deployment to schools and hospitals.
- Icon LifeSaver has produced this proposal to help address this situation as quickly as is practically possible.
- The focus is to provide larger scale portable units to install in directly affected schools and hospitals in the exact locations they are needed. It also provides an additional strategic stock

- A dedicated production unit will be established to service this project.
- Deliveries will commence March and will continue through 2023.
- The cost of producing a litre of clean safe drinking water via this proposal is 0.004p per litre based on the order size recommended above at current terms.
- Replacement membranes are available to maintain distributed purification capacity and maintain the profile of the project sponsors.

We trust you find this proposal acceptable in principle to allow us to discuss the project in greater detail as soon as is possible.

Chris J Marsden
Chairman Icon LifeSaver
24 January 2023