



SAVING LIVES

Supplying Ukrainian towns and villages with Clean, Safe Water from any source

CONFIDENTIAL

1) Introduction

The supply of safe clean drinking water, to towns and villages 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. Further disruption to the Ukrainian municipal water supply remains a strong possibility. As a result, if we are to help save lives in the Ukraine, maintain the vital infrastructure of towns and villages, and support those with the responsibility to ensure the supply of clean safe drinking water to such communities, there are two urgent actions required:

1. **Directly Affected entities** - There is an immediate need to provide clean safe drinking water to towns and villages, which have been directly affected by the conflict and/or have no mains supply or running water available.
2. **Preparedness** - There is a parallel requirement to assist those who have the authority locally, to better prepare to face a drawn-out conflict which is likely to threaten water supplies in the future. This will be through the placement of a strategic stock of water purification capability, to be held in the Ukraine, for rapid deployment in locations as and where required.

This proposal addresses both issues and via its implementation, will help ensure the immediate supply of clean, safe drinking water to towns, villages and communities, which have no or unsafe water supplies and will also ensure a strategic stock of water purification capability within the Ukraine, for deployment as needed in the future.

This proposal utilises our Icon **LifeSaver C2** product which has been specifically developed in conjunction with NGOs to provide large scale humanitarian relief in the face of global natural and man-made disasters where safe drinking water supplies are at a premium. It has been deployed successfully for several years and as such, is comprehensively proven to provide clean water supplies in hazardous environments.

Icon LifeSaver C2 products are large scale fixed water purification units which can store up to 750 litres of water from any freshwater source (rivers, lakes, rainwater or turbid/contaminated supplies) and is capable of removing all microbiological contamination from local, indigenous sources. This is achieved without the need for chemicals, external power, or batteries and remove 99.99% of all viruses and cysts, and 99.9999% of all bacteria. The C2 also has 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 C2 is a fixed location product, designed to be filled with contaminated water and hold up to 750 litres at any one time. The *Fail-safe technology filter* delivers safe, clean drinking water at the point of use (regardless of the nature of water stored) and delivers 1,000,000 litres of safe drinking water from a single unit. It is incredibly robust and simple to install using readily available plumbing connections to an overhead tank, utilising rainwater collection or manual filling from local static sources.

The inherent Fail-safe technology which ensures the system shuts down when the filter needs replacing means that contaminated water cannot be consumed by the end user. Replacement filters are available which means that the LifeSaver C2 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 C2 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 to best acknowledge the support being provided to the Ukrainian people.

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 C2 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. This will ensure that the products are stored, distributed and installed in the most efficient and safe manner for either immediate deployment or as stock holding for future strategic responses.

2) Products recommended - LifeSaver C2



LifeSaver C2 – Operational Specification

- Large scale static water purifier – suitable for large local communities.
- Static tank which holds 750 litres and can be filled from any water source.
- Purifies up to 1,000,000L per filter set – extendable life with replacement filters which are readily available.
- Provides daily clean water requirements for 1,000 people for one year (based on WHO guidelines).
- Flow rate 12L/min
- TRL8.
- Easy to install in any location.
- Provides 1,000,000 litres of clean water at a cost 0.015 pence per litre.
- 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 towns and villages 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 C2 products to use in directly affected large communities 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 C2 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 250 C2 purification systems. These would be split as follows:

- 150 C2s being allocated to those large communities directly affected so that up to 150,000 people would receive clean, safe drinking water for one year; and
- 100 C2s held as strategic stock. This would be available for deployment in a further 50 communities which would represent an additional 50,000 people receiving clean safe water.

The total cost for this project would be 250 products at £15,000 each giving a total cost of £3,750,000. This amount of product would supply a total of 250 million litres of clean drinking water which could supply up to 250 communities with clean safe drinking water. The effective cost is 0.015p per litre

Summary

- Access to safe drinking water to towns and villages directly affected by the conflict in the Ukraine, is critical and there needs to be a rapid, expedited response to address this basic human right.
- In addition, the Ukrainian nation should be better prepared for a drawn-out conflict and secure and hold a strategic stock of water purification capability for future deployment to large communities where water supplies are cut off and/or compromised.
- Icon LifeSaver has produced this proposal to help address this situation as quickly as is practically possible.
- The focus is to provide large scale units to install in directly affected towns and villages in the 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 0.015p 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
25 January 2023