EMERGENCY RELIEF, RECONSTRUCTION, SUSTAINABLE DEVELOPMENT

Our global network of professionals is prepared to provide “know-how” and the tools to families, communities, industries and municipalities to empower them to help themselves by providing the following:

1. Basic Water Disinfection with Chlorine Dioxide Tablets – more effective than Chlorine.

   Portable Gravity Drinking Water Filters - for Emergency Relief

1. Immediate supply of Portable Gravity Filters that can make good, safe, clean water for survival and health until water supply infrastructure is established.

   - The Emergency Water Kits are the most unique and effective means of providing clean, safe drinking water in these types of situations. The survivors can help themselves mobilize to get the water they will need to survive indefinitely as the filters will continue to make enough water for survival purposes.
   - Scan Water Emergency Kit is a membrane based POU water filter that works by gravity. Collapsible Jerry Cans are used as containers. Emergency Kits have proved to be fast, efficient and simple help to families in emergencies. They are convenient e.g. in camps where there is no water supply available. Babies with supplementary feeding can benefit from safe water filtered with Emergency kits (no chlorine in the water). The portable filter takes off all disease causing bacteria and is very easy to maintain. The filter membrane needs to be cleaned once flow rate decreases and put back to raw water container. Advantages of these emergency kits are the light weight, only 600 g/kit, small volume in shipping and easiness to distribute to difficult areas. IOM and UNICEF have used these kits in their emergency operations (Pakistan, Sudan, Kenya).
2. Package Row Houses and Arch Style Homes c/w with rain water collection, gravity drinking water filter and solar light and “know-how” on how they can manufacture and assemble the homes themselves…FAST CONSTRUCTION.

Steel Arch Row House
Multi Family Living Units or
Multi Person Bunk House Units
Community Row Housing Option
80 Units per Acre
with
Green House Gardening-Chicken/Egg Production Options

The Row House is built with the patented structural design used in the Steel Arch Chalet. [Domestic Technologies International (Barbados) [http://www.domestictechnologies.com]
3. Provide earthquake resistant multi-level residential/commercial building technique we pioneered here in Vancouver to high earthquake resistant specifications. Local people, organizations and companies can manufacture and assemble these building with our technical support.

Earthquake resistant multi-level residential/commercial building techniques.

Our "know-how" on how to build multi-level, “LSF” (load-bearing steel-stud framed) multi-level buildings, with the technique of using prefabricated load bearing steel stud walls, is available. The buildings are earthquake resistant, fire proof, sound proof, and very high quality. We constructed the first building of this type in western Canada a few years ago. Steel-Tech can assemble the team to provide the engineering, materials and construction "know-how" to deliver these multi-level building techniques.

Construction of the structures presented requires trained people with basic skills and more importantly it takes good engineering and planning. Steel-Tech can provide this along with instructions and training to assemble and build the earthquake resistant homes and buildings. We can also provide the clean water and waste water treatment infrastructure c/w alternative energy component to make new sustainable developments. Local people can learn the "know-how" on how to do much of this work, with our help.

Using load bearing steel stud framed structures, engineered for earthquake resistance, conforming to the high engineering specifications, like we have here in Vancouver BC Canada, will give people some peace of mind in living in housing and buildings that would not crumble like they did in many earthquakes. Earthquakes are a part of life in many regions on earth. Earthquakes are going to bring significant demands on the global economy as they occur in major cities around the world in future. We are focused on working in Haiti which may prove to be the training ground for response to future catastrophic events worldwide.
4. Enable local people, organizations and companies to manufacture and install our HGF – Hydro-automatic Gravity Filters to provide “good water” from ground, surface and sea sources. (Made locally from concrete, carbon steel, SST or poly materials)

**Our HGF-DEFERUM Filters - Many Benefits vs. Traditional Water Filtration Technologies**

- No electricity is consumed in the process
- No moving or rotating parts are used in the process
- No electronic devices are used in the process
- No valves are used in the process
- No parts or elements need to be replaced on a regular basis
- The filtering media has a life-span of over 25 years
- The system does not require a full time operator
- Very low failure factor due to absence of mechanical or electrical devices
- Very low maintenance
5. We can provide Portable Hydraulic Well Drilling Equipment and teach local people on how to get ground water.

6. Enable local people to manufacture and install our AIRR sewage treatment plants with our technical support.


We look forward to your help in finding local entrepreneur individuals, companies, communities, municipalities, industries, organizations who are willing to accept our offer of “know-how”, equipment, tools, supplies assistance in securing project funding

We also want to work with local organizations that could help in providing the very important education and training to empower local people to quickly learn some basic skills relating to construction, fabrication and getting and making our “pure water”, which is the primary and strategic building block to building a sustainable economy…..

Yours truly,

STEEL-TECH BUILDING SYSTEMS
Division of PWC, Pure Water Corporation

"We make Good Water with Clean Energy"