

Vyper Disaster Relief Project

featuring the

Vyper Emergency Response Vehicle

Overview:

Rapid Global Response System

With the increasing level and speed of international trade and travel, crises (such as the spread of the Corona virus), make future potential pandemics and other catastrophic disasters, on a worldwide level, inevitable. A carefully planned Disaster Relief Program needs to be integral to any strategic blueprint for implementing rapid response times. Adaptability to a variety of different environments – from major metropolitan areas to remote forests – also has to be incorporated into the system.

The Vyper Emergency Response Vehicle (ERV) was created specifically to fulfill these critical needs – making the required functionality of any disaster relief system a reality. Vyper Adamas, Inc., with its Emergency Response Vehicle, has implemented a plan to deliver and distribute supplies to disaster-impacted areas in a unique way which is cost effective and would save a substantial amount of time and manual labor, while also solving logistical issues on an exclusive/proprietary basis.

Problem:

In a typical disaster response distribution program, fully loaded semi-trucks with trailers are brought in and those emergency supplies must be unloaded by hand and then delivery is attempted by unreliable, smaller vehicles to the disaster zone. Often, the disaster zone can be up to one hundred miles away, depending on the type of disaster situation. Upon arrival of the supplies to the disaster zone, the victims must find a way to get to where the supplies are being distributed, and given the fact that during a crisis, communicating to the victims can be difficult, if not impossible; some are unable to access these much-needed relief supplies. Vyper's V-4 Emergency Response Vehicle (ERV) can quickly unload PODs full of supplies from the incoming trucks with its forklift attachment then retract, load and deliver the relief supplies *directly* to the victims. Upon arrival, these supplies are distributed directly from these preexisting PODs. These PODs contain much needed supplies, including medical triage and include the ability to sleep in them as necessary. In addition, Vyper can carry up to 24 PODs on a self-propelled trailer which is attached to the vehicle. Having been tested by the military, it fits in all CH-47 Helicopters. This vehicle can significantly reduce manual labor and real time. By utilizing its Drone, the ERV can scan the affected area and be used as a PR tool for the humanitarian organization with whom Vyper partners.

Vyper Solution:

The lightweight Vyper can traverse major obstacles, including 42" of water and bring in or out nine people at a time, plus over 30 people on the above mentioned trailer, which is self-propelled. It can carry an inflatable power boat on top or two litters for medical triage. It also has 15KW power to take fill various needs while in the disaster zone. The Vehicle is illustrated in Pic 1, and the PODs in Pic 2.

Cost Savings:

There can be considerable cost savings through a higher rate of efficiency, due to the fact that the ERV has its own on-board retractable fork system and a rugged, agile ability to reach the victims in the disaster zone. It also eliminates much of the confusion that occurs while unloading because the PODs are already pre-loaded with the supplies necessary for that particular mission and the supplies can be dispersed easily and monitored by Drone surveillance in real time.

Real-Time Drone/ PR:

Having the ability to place a drone on each unit, controlled by the person in the passenger seat, allows the field command first hand awareness and sight to the disaster zone, allowing for immediate response and the distribution of supplies, medical care and rescue of victims, and all other manners of circumstances during the disaster response mission. This gives an overall picture of efforts and their success, which is fed back immediately to headquarters to be used for real time briefings, planning, PR, etc., enhancing the ability or philanthropic monies to be imputed. Vyper proposes to partner with a Disaster Relief NonProfit Organization to provide said vehicles and operational equipment. They would be supplied to the site, utilized, and then returned and maintained as necessary to be ready for the next disaster situation. The vehicles could also be left behind with the PODs, or the PODs can be brought back and reused. Again, the PODs are able to house victims like a dry, warm, tent camper. The partnership would be exclusive in that a disaster relief organization and a program would be developed in order to ensure the success of these vehicles and this concept, creating a new type of standard for disaster relief recovery; thereby the monies go much further than in the past.

Conclusion:

We look forward to an opportunity to discuss this low risk concept and how to implement this program which is so unique to the industry. We are confident it will be highly successful and allow the monies to be extended to further relief efforts. We look forward to the opportunity to meet, discuss and provide a more detailed presentation on how this may be accomplished during a face to face discussion.