

Rescue Global

Rescue Global is an internationally recognised Non-Governmental Organisation (NGO) with a clear mission: To Save Life, by empowering others.

They do this by empowering decision makers at the nation-state level working in the Disaster Risk Reduction and Response (DRR&R) environment. Rescue Global also conduct liaison, mentoring and disaster reconnaissance missions during the critical response phase, deploying to disasters worldwide, utilising the knowledge, skills and attributes of their predominantly military, emergency services and public sector veteran personnel.

Zanshuri were very excited to work with Rescue Global on identifying potential improvements to their HQ data management allocation. However the project really took off when the issue of portable solutions for use in disaster zones, was raised.

Chib Nwokonkor, the CEO of Zanshuri found a kindred spirit in the Rescue Global CEO, Mr David Jones. Having both shared a background in the security and emergency response sectors, there was a mutual understanding of the rigours faced by personnel required to respond to fast developing situations with minimal support in less than ideal conditions.

The conditions faced by Rescue Global personnel tend to be far from ideal.

Rescue Global has deployed (and continues to deploy) in response to the needs of people in the midst of active conflict zones, natural disasters and circumstances which manifest cataclysmic outcomes resulting in the loss of infrastructure and lives. Rescue Global use technology as a real force multiplier, enabling them to communicate over vast distances, and make use of proprietary algorithms to make sense of the velocity and volume of data which they capture in order to empower decision makers of the countries to which they deploy. Their equipment is often required to marry incompatible characteristics, such as being light weight, resilient, adaptable and able to make use of diverse (and often hard to generate) power sources.

One example is the mobile deployability kit. This is emergency information management solution consisting of telecoms and computing hardware, battery power, data storage and all the peripherals required to support and carry this equipment. The original design parameters for the deployability kit insomuch as can be revealed, included a high performance computer, an external storage drive, cables, radio units, handheld GPS units and of course, batteries to power all of this. The target weight for the equipment was around 15 kilos.

Zanshuri were tasked with developing an improved deployability kit, which was more resilient than the laptops which had been in use, more powerful, had improved uptime and of course less weight.

With all of this in mind, Zanshuri were able to develop a solution for Rescue Global, built around the Zanshuri Delta PC. The Delta is a fanless computer with no moving parts encompassing a powerful Intel Core i5 processor, 8 GB of RAM and hundreds of gigabytes of

solid state storage. Zanshuri ensured this was delivered with a miniature step down transformer offering 12 volt capability and solar preparation. Which in basic terms meant the computer could be powered by a solar panel, a car battery, the included lightweight mobility type battery or if it was available, grid electricity also. The entire Zanshuri solution was also field repairable and fitted into a rucksack, which was also supplied by Zanshuri. The total weight of the solution was below 8 kilograms. This was almost half of the original target!

The relationship between Rescue Global and Zanshuri is one which is destined to grow stronger. Both companies share an ethos for quality and capability, which is hard to find. The knowledge that through their actions, preparedness and the immediacy of their response, human lives are saved.

Zanshuri Systems.

Always better.