

R4 Incorporated Supporting Ecuador Earthquake SAR Response with Ground Penetrating Radar Systems

R4 Incorporated has teamed with GlobalMedic to deploy the R4 Inc. FINDER ground penetrating radar system to Ecuador's 17 April 2016 7.8 magnitude earthquake in the effort of searching for buried victims in the most devastated areas.

Based on NASA deep-space remote-sensing technology, the R4 Inc. FINDER HX system uses low-powered microwave signals to detect human heartbeat vibrations from extend stand-off distances. The R4 Finder HX can detect heartbeats and breathing patterns in the rubble of collapsed buildings, through 20 meters of dense matter – whether it is concrete, rubble, or earth. Low-powered microwaves are directed towards a target area, reflecting off of objects and yielding data based on vibrations. Signs of human life specifically can be accurately identified as the device analyzes the unique rhythmic heartbeat and breathing patterns of humans. Additionally, the Finder HX is also equipped with an Infrared thermal imaging camera, and wide-angle VGA camera to make the handle held system a multi-sensor platform to improve the effort of saving lives.

The Joint Team is currently in Manta, Ecuador. GlobalMedic is providing in-country logistical support, while R4 Incorporated employees the FINDER system to support Search and Rescue teams. As of 21 April 2016, Specific sites containing trapped victims have been identified, allowing dig teams to focus & improve their efforts of saving lives.

To request GPR assistance to scan a collapsed site, please contact the following and outline the specific site location:

R4 Incorporated Emergency Operations Centre (EOC)
EOC@r4-inc.com +1-410-670-9339

Rahul Singh rsingh@globalmedic.ca +593-99-151-4435

About R4 Incorporated

R4 Incorporated is a high-tech sensor company that helps save lives. Founded in 2006 by a group of veterans responding to the needs of Warfighters, the company has since evolved to include a much wider customer base. The common goal has always been to save lives, and R4 will continue to make that effort with teams involved in search and rescue, first response, and public safety. To that end, we apply a unique perspective in developing innovative products that ultimately ensure success through forward thinking and rapid response.

www.r4-inc.com

About R4's Emergency Operations Center

The R4 Emergency Operations Center (EOC) is a unique product support concept that provides a centralized focus of information and support to users of R4 remote-sensors. Users of R4 products can reach-back 24/7 from any location in the world and receive Emergency/Disaster Intelligence, Product Service Support or Operational Support. Furthermore, the R4 EOC is the command center for the deployment of R4's volunteer global Search & Research teams located around the world.

About GlobalMedic



GlobalMedic is an operational arm of the David McAntony Gibson Foundation (DMGF). DMGF is a registered Canadian charity that runs capacity building programs in post-conflict nations and provides relief services to large-scale disasters and complex emergencies around the world.

GlobalMedic has implemented over 150 successful disaster responses in 60 countries around the world. These have included responses to tsunamis in Sri Lanka, the Solomon Islands and Japan; earthquakes in Nepal, Haiti, Indonesia, Peru, China and Pakistan; hurricanes in Guatemala; typhoons in the Philippines; floods in Bangladesh, India, Pakistan, Mexico, and Indonesia; tropical storms in the Dominican Republic and Dominica; cyclones in Myanmar and Vanuatu; drought and famine in the Horn of Africa; and complex emergencies in Lebanon, Pakistan, Gaza, Iraq and Ukraine.

www.globalmedic.ca

