



## FOR IMMEDIATE RELEASE...

### QuakeWrap, Inc. Completes Blast-Hardening of UN Building in Beirut, Lebanon

**Tucson, AZ – (November 12, 2013)** QuakeWrap, Inc., an Arizona Corporation, has just completed a project to reinforce the United Nations building in Beirut, Lebanon against blast loads. Several of the walls of the newly-constructed building were reinforced using Fiber Reinforced Polymer (FRP) technology. All the required materials such as fabrics and resins were flown to Beirut and the installation was completed by a local contractor under the supervision of QuakeWrap engineers.

Dr. Mo Ehsani, President of QuakeWrap, Inc. and Professor Emeritus of Civil Engineering at Univ. of Arizona, noted that “due to the sensitivity of these projects, we would rather not provide details of the installation. But in general, FRP products can be applied to a wall similar to wallpaper, adding significant strength to the wall. FRP sheets can also be used as a catcher system that would prevent any wall fragments and debris projecting into the building.”

QuakeWrap, Inc. has used similar techniques for the U.S. military and industrial clients. In 2008, one of the barracks at Fort Bragg, N.C. was retrofitted with this technique. An unclassified story about that project was published in a military newsletter and is available here: [goo.gl/rARJ4A](http://goo.gl/rARJ4A). Industrial clients typically require blast-hardening of control rooms that have to remain operational in case of an accidental blast or explosion in the plant.

QuakeWrap, Inc. developed its blast-hardening system nearly a decade ago and tests of walls subjected to blast loads can be watched online at [goo.gl/6KDVI](http://goo.gl/6KDVI). The tests demonstrated that the retrofitted wall could withstand the high blast pressure, ensuring survival of the occupants.

#### **About QuakeWrap, Inc.**

QuakeWrap, Inc. and its family of companies (PileMedic, LLC, PipeMedic, LLC and FRP Construction, LLC) form a unique organization specializing in infrastructure renovation. The company offers turnkey solutions including engineering design, materials, and installation to its clients worldwide.

QuakeWrap’s system is made up of flexible fabrics comprised of carbon or glass fibers, proprietary laminates, and resins. FRPs are used to strengthen existing structures as well as providing protection against moisture intrusion and corrosion. FRPs are easy to install, and the fast speed of construction often results in a more economical alternative in retrofits and renovations. PileMedic™ jackets, for example, are the only product approved by the US Army Corps of Engineers and FEMA for emergency repair of piles and columns that are damaged in a disaster.

QuakeWrap was founded in 1994 by Dr. Mo Ehsani, an internationally recognized expert and researcher in the use of FRPs and a professor of structural engineering at the University of Arizona. Dr. Ehsani has been featured on CNN, The History Channel, National Public Radio, and in other media, including Engineering News Record (ENR) for his expertise on the strengthening of structures, particularly related to earthquakes, terrorist attacks and other potential structural disasters.

#### **Contact:**

For more information on QuakeWrap Inc. and its products, or to schedule an interview with Dr. Ehsani, please contact:

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*“The FRP Retrofit Experts”*