

MEDIBURN

Case Studies

Installations for Liberia - Haiti - United States Military



Project:

UNICEF Supply Division

Copenhagen, Denmark

Problem: Improper Ebola medical waste disposal in Liberia contributed to the spread of the disease.

Solution: Twelve ELASTEC MediBurn 30 portable incinerators were purchased to safely destroy Ebola waste onsite.

Result: MediBurns are operating and in good working order in Liberia.



An outbreak of the Ebola virus in neighboring Guinea in West Africa spread to Liberia in 2014. By mid-November, the outbreak had claimed at least 2,800 Liberians. UNICEF (the United Nations Children's Emergency Fund) purchased twelve Elastec MediBurn 30 incinerators for installation in hospitals scattered around Liberia to safely destroy Ebola medical waste onsite.

Working with Liberia's Ministry of Health, Elastec coordinated the commissioning of the MediBurns to ensure that they were operational and that concrete foundations, electricity and fuel were available. Elastec also trained local technicians and additional personnel from the country's health department to operate and maintain the MediBurns.

“The equipment [MediBurn] allows [us] to reduce considerably the toxic emissions of the incineration of our hospital waste. Elastec provided excellent support to improve our maintenance procedure, including field visits to the hospital.”

- UNICEF



Project:

U.S. and Global Military Iraq and Afghanistan

Problem: U.S. military base camps needed an economical, mobile, rapidly deployable incinerator system to destroy medical waste in remote locations during the Iraq war.

Solution: Over 80 ELASTEC MediBurns were purchased over the course of the war.

Result: MediBurns were easy to ship and to deploy providing years of extended use.



In 2003, at the beginning of the Iraq War, the U.S. military required an economical, durable, mobile and safe incinerator to destroy medical waste, pharmaceuticals and animal remains at base camps. Four units were initially ordered with over 80 units to follow for installations in Iraq and Afghanistan. MediBurns were purchased by all branches of the U.S. military (Army, Navy, Air Force, Marines), by government offices and also by third-party vendors. MediBurn's two chambers and simple-to-operate features met the base camp waste disposal criteria.

Although service issues were minimal, troubleshooting was facilitated across various time zones via phone and email to diagnose and remedy problems. MediBurn's design allowed parts to be easily replaced or repaired as needed. Military bases and military police corps around the world, such as Sweden, the United Kingdom and Australia along with the United States, are using the ELASTEC MediBurn.

“I personally operated the MediBurns. These MediBurns were located at COB Speicher, Tikrit, Iraq. I operated and performed all of the maintenance on these units from Jan 2009-Feb 2010. These units were exposed to some of the most extreme conditions on earth! They worked flawlessly! I would highly recommend them and would definitely use them again.”

- U.S. Military Officer



Project:

Medecins Sans Frontieres

Haiti

Problem: Medical waste disposal related to the health crisis in Haiti.

Solution: Ten ELASTEC MediBurns were installed for use in Haitian clinics and hospitals.

Result: The incinerators are operating and in good working order in Haiti.

Medecins Sans Frontieres has purchased 10 ELASTEC MediBurn units since 2006 to help destroy medical waste related to the health crisis in Haiti. Four branches of MSF (France, Holland, Brussels and Switzerland) are active in Haiti and operate MediBurn units for their clinics or hospitals. Elastec has worked closely with MSF to help destroy the waste properly and prevent the further spread of infection.



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