



Innovative Building Solutions

Engineered & Manufactured by Sprung Instant Structures

MUSTARD GAS REMEDIATION HIRATSUKA, JAPAN



Japan is one of the world's most densely populated countries. Commercial and residential development co-exist in most communities.

During the construction of a freeway, a deposit of small bottles containing mustard gas from the World War II era were discovered buried in the soil.



PROJECT DESCRIPTION:

Mustard Gas Remediation, Hiratsuka, Japan

An immediate shut down of construction for an extremely time-critical freeway was ordered. One broken bottle had the potential to kill hundreds of surrounding residents. Needless to say, the surrounding community was relieved when the Sprung structures were erected. The project received rave reviews throughout the Japanese media. As soon as the structure was erected, the soil containing the bottles had to be meticulously sifted by hand. The Sprung structure, which included a sophisticated negative pressure air handling system, ensured that if a bottle was broken, the gas would not escape into the surrounding communities.

“We, Kobe Steel, bought and constructed your Sprung shelter at Samukawa for destruction of chemical warfare materials (CWM) and cleanup of contaminated soil in 2003. We successfully finished all the work without any accident or incident in 2004. We destroyed 800 beer sized bottles discovered with CWM’s and 8,000 cubic meters of soil.”

KOBE STEEL EXECUTIVE









