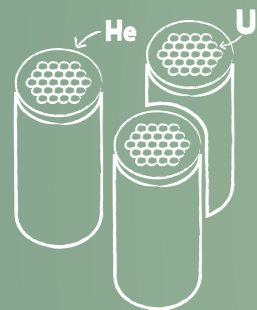


FAST FACTS

ABOUT EMPs

The effects of an EMP can encompass continent-sized areas, affecting all systems within line of sight of the blast.¹



The first known effects from EMP occurred in Hawaii during a high-altitude nuclear test over the South Pacific.¹



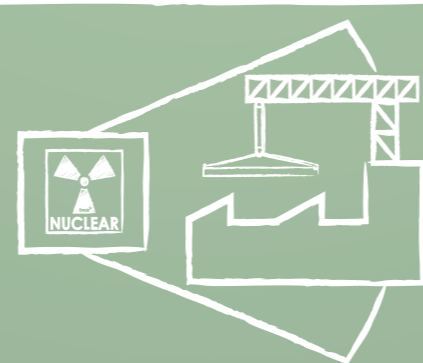
Any nuclear weapon, low- or high-yield is capable of producing an EMP that could have disastrous effects.²



Modern electronics are one million more times vulnerable to the effects of EMPs than electronics in the 1960s.²

EMPs are generated by high-altitude detonation of nuclear weapons, solar flares from the sun, and radiofrequency weapons.²

An EMP causes damage to electrical systems by overriding and destroying circuits.²



EMPs do not cause physical harm to people, plants, or animals.²



SOURCES:

1. "Nuclear Weapon EMP Effects" Federation of American Scientists, last modified October 21, 1998, <http://www.fas.org/nuke/intro/nuke/emp.htm>.

2. "Electromagnetic Pulse: Threat to Critical Infrastructure," Dr. Peter Vincent Pry, Testimony before the subcommittee on cybersecurity, infrastructure protection and security technologies house committee on Homeland Security, May 8, 2014, <http://homeland.house.gov/hearing/subcommittee-hearing-electromagnetic-pulse-emp-threat-critical-infrastructure>.