

Benefits statement:

The INEEL has developed a field-portable, high-resolution Digital Radiography and Computed Tomography (DRCT) system for nonintrusive inspection of munitions and containers of munitions for use by the Greek government. These x-ray systems are used to determine type, number, and configuration of munitions in containers, status of the fuzing and firing train, physical integrity of individual munitions and their containers, and liquid levels when present. This information is used to make decisions on safe handling and storage of munitions and to aid in content identification. These systems incorporate vertically scanning x-ray sources, linear detector arrays, and object-rotational staging. For field scanning of single munitions within containers, a transport dolly serves as the mounting stand for the modular imaging assembly.