

Radiation Portal Monitor (RPM) Systems for Homeland Security

The Radiation Portal Monitor Project (RPMP) is part of the U.S. Department of Homeland Security's (DHS) mission to keep U.S. ports safe and secure.

Under the RPMP, the DHS Domestic Nuclear Detection Office (DNDO) is working with U.S. Customs and Border Protection (CBP) and Pacific Northwest National Laboratory (PNNL) to develop and deploy advanced radiation detection systems at five types of U.S. ports of entry: land crossings, rail crossings, seaport terminals, international airport terminals, and international mail and express consignment courier facilities.

MCE has delivered over 20 RPM systems to date via an indefinite-delivery, indefinite-quantity contract with PNNL.



MCE is assembling the radiation portal monitors, support structure, radiation sensor panel, battery, stainless electronic enclosure, and uninterruptible power supply. Additional work includes miscellaneous metal fabrication, installation of communications and alarm signal, conduit, unistrut, and wiring between components.

All work is being done by UL 508A/698A instrumentation and control shop.



**Pacific Northwest
National Laboratory**