

## Prefabricated Radiation Portal Monitor (RPM) Systems

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's indefinite-delivery, indefinite-quantity contract with PNNL was for up to 20 prefabricated RPM systems, with the first five systems assembled and tested within 30 days.



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 MCE Controls, MCE's UL 508A/698A panel shop.



**Client: Pacific Northwest National Laboratory  
Richland, Washington**