

IoT Based Real-Time Tracking Framework for Safe and Secure Transport of Radioactive Materials

The transport of radioactive materials poses significant safety and security challenges that require innovative solutions. Thousands of radioactive materials are transported during applications in nuclear medicine or in different industrial activities such as NDT and nuclear imaging. However, Core, the materials must be transported with extreme care due to their hazard. To protect these shipments, several traditional tracing and monitoring mechanisms have been developed and used. However, these methods are lack in adjusting to emerging threats due to the challenge of real-time capability, and robustness. Apart from this, lack of constant monitoring makes in-bound materials susceptible to an array of dangers such as, theft, unauthorized diversion, and environmental hazards due to accidents or other natural phenomena.

Country or International Organization

Instructions

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