

# High Flux Isotope Reactor Sensor Network

Data Systems Sciences & Engineering Group

Computational Sciences & Engineering Division



- **Problem Statement:**

- Emergency management must make conservative (i.e. worst case) estimates of potential hazardous releases to meet classification requirements

- **Technical Approach:**

- Fuse live sensor data, reactor alerts, requirements documentation, and human observations
- Utilize Sensorpedia web services to capture and share information from data sources
- Intuitive information dashboard for monitoring emergency events and prioritizing response

- **Benefit:**

- Provides a common view over multiple data sources to enable faster and more accurate event classification and response
- Supports legacy systems without requiring expensive modifications and re-certification

- **Technology Readiness Level 4**

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