# ONLINE RADIATION MONITORING DASHBOARD AND DATA MANAGEMENT SYSTEM

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INTRODUCTION

Online radiation monitoring dashboard and data management system allows the implementation of a comprehensive radiation monitoring environment, including centralization of the radiation monitoring, logging of measuring data and generating reports. The system is developed to monitor and record the radiation levels at various strategic locations in Nuklear Malaysia. The modular monitoring system permits user to have a real time and continuous data monitoring even if one or more of the radiation monitoring devices stop working due to malfunction, power outage and network down. The system can be configured to adapt with different types of area monitor and site requirements. The system also has four levels of authorization to ensure the safety of the data. The system comes with data trending and data query functions for data analysis and reporting.
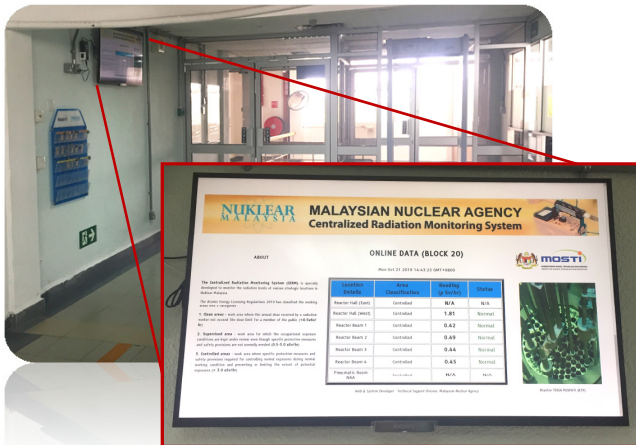
Online Data monitoring at the entrance of Reactor TRIGA Puspati (RTP)
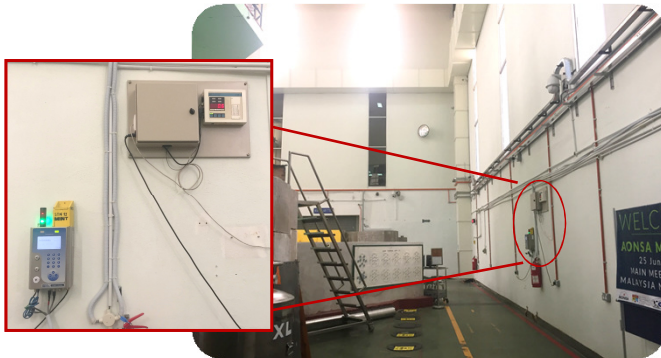
Ludlum 375 and CMS area monitors at Reactor Hall

Homepage of Centralized Radiation Monitoring System
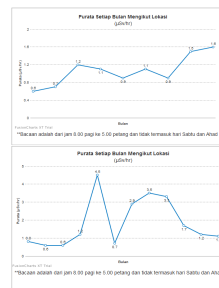
Annual data trending for year 2018
Top: Reactor Hall
Bottom: Wastec

Average data for October 2019 for all locations

POTENTIAL STAKEHOLDER

- Ministry of Health (KKM)
- Atomic Energy Licensing Board (AELB)
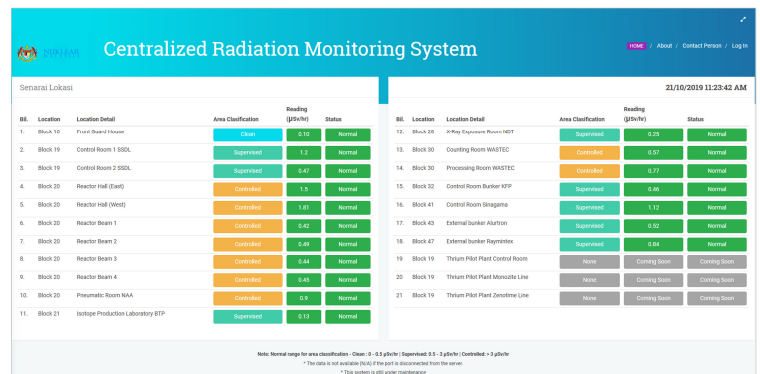- Schools
- Manufacturing Plant
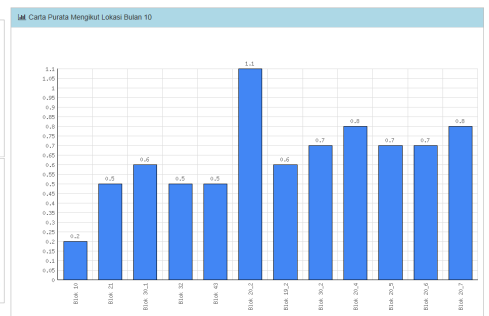- Heavy Industries

HIGHLIGHTS

- ✓ Centralized Data Monitoring
- ✓ Modular And Flexible System
- ✓ Real-time Data Acquisition
- ✓ Export Data History
- ✓ Specific Period For Data Query
- ✓ 4 Level Of Authorization
- ✓ Single Sign-on (SSO)
- ✓ Notification Via E-mail
- ✓ Auto Generated Report

IMPACT & CONTRIBUTIONS

- Localization
- Public Information and Public Awareness (PIPA)
- Cost Effective
- Raw Data for Research and Sciences