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WASTE MANAGEMENT CALIBRATION LABORATORIES RESEARCH CENTRES INDUSTRY & MANUFACTURING NUCLEAR MEDICINE

RMS

RADIATION MONITORING SYSTEM

MAIN ADVANTAGES

- Modular system
- Interconnection with environmental, air and liquid monitoring probes
- Software application provides complete management of radiation monitoring system
- Availability of current and archive values
- Single-channel and multi-channel tables and graphs
- User-friendly graphical interface

PURPOSE

RMS is a standardized system for monitoring the radiation situation. Various radiation monitors, display units and signaling units can be connected to the system.

Radiation information is read from radiation monitors by local LZJ-22 display units, via RS-485 interface, at regular intervals. The unit allows you to present the current radiation situation from connected monitors.

Data from LZJ-22 are, via Ethernet, periodically saved into a SQL database on a server RMS system. Data from RMS server are presented on operator PCs using RMS Client application. Among other things, the application allows you to set selected RMS parameters, such as signaling levels.
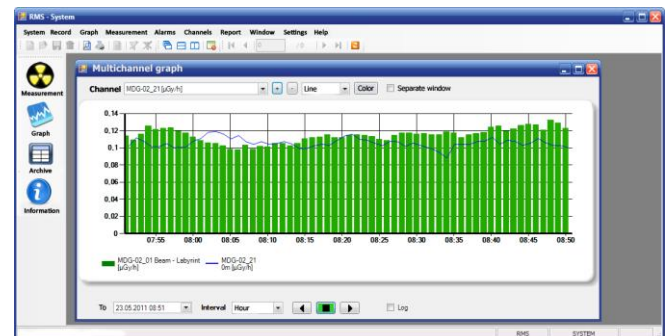
Data are displayed in the form of tables, columns or in the form of a bar graph. The application allows printing of reports also.

The RMS radiation monitoring system consists of several modules:

- Database - archives measured data in ORACLE database
- Collector - ensures regular collection of data from LZJ-22
- RMS Client - provides presentation of measured values

The RMS Client includes the below listed functions:

- Measurement - display all measurements from connected monitors, their current status and measured values
- Graph - presentation of measured values in the graph
- Channels - set parameters for each monitor
- Reports - information about measurements and faults in the system

Graph module – multichannel graph

SERVER CONFIGURATION

Processor	Intel 4 Core Xeon
Operation memory	min. 8 GB
Operating system	Microsoft Windows Server 2012 or higher
Database	Oracle version 11 or higher
UPS	Min. performance for secure server shutdown. On-line communication with the server providing server shutdown in case of battery UPS (protection against damage and data loss database).
Design	RACK 19"

PC CONFIGURATION

Processor	Intel i5 or higher
Operation memory	4 GB RAM
Accessories	CD or DVD, mouse, keyboard, USB port
Monitor	HD 1920 ×1080
Operating system	Microsoft Windows 10 Pro
Languages	Czech, English, Russian
Print reports	PDF Creator, Report Viewer 2010

Measurement module - current values

Alarm module

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OPTIONAL ACCESSORIES

Server	PC with installed RMS database and data collection software
Operator	PC with installed RMS data presentation

RMS system scheme

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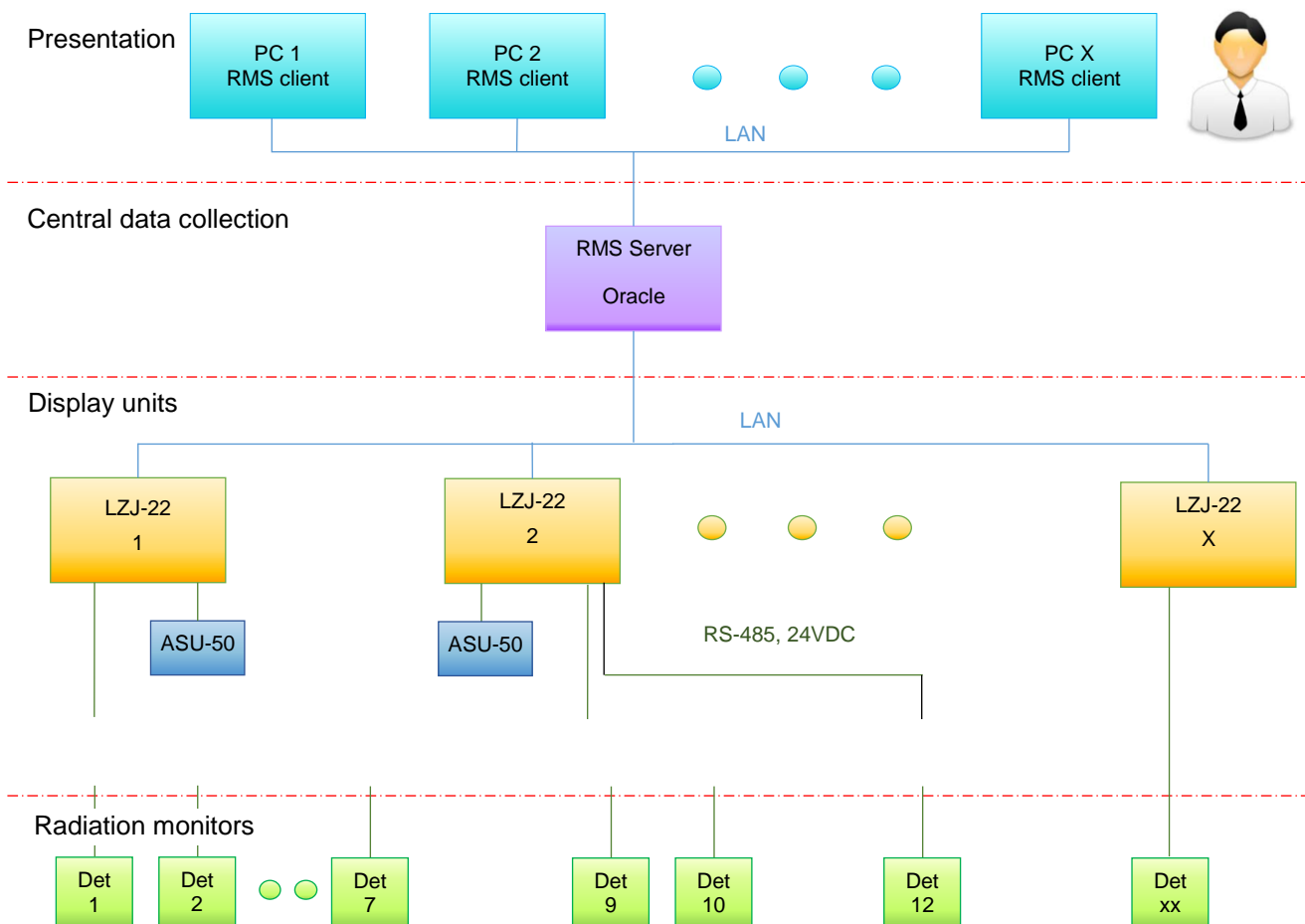
RELATED PRODUCTS

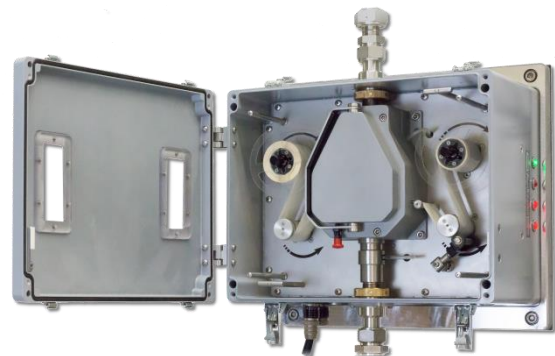|	
MDG-04	Gamma Dose Rate Meters
MDG-08e	Gamma Dose Rate Meters
AGM-02	Area Gamma Monitor
MDN-01	Neutron Dose Rate Meter
CPM-310	Continuous Particulate Monitor
CPD-14	Continuous Aerosol Detector
CID-03	Continuous Iodine Detector
LZJ-22	Local Display Unit
ASU-50	Alarm Slave Unit

ASU-50

LZJ-22

CPM-310

MDN-01

CDP-14

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