**MAIN ADVANTAGES**

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

**PURPOSE**

The RMS radiation monitoring system consists of several modules:

- **Database** - archives measured data in ORACLE database
- **Collector** - ensures regular collection of data from the connected local display units
- **RMS Client** - provides presentation of measured values

The RMS Client includes the following 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

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

Radiation data is read from radiation detectors and monitors by local display units, via RS-485 interface, at regular intervals. The local display unit allows to present the current radiation levels from connected detectors.

This data is, via Ethernet, periodically saved into a SQL database on a RMS system server. Data from RMS server are presented on operator workstations with RMS Client application. Among other, the application enables the setting of selected parameters, such as alarm levels.

Data are displayed in the form of tables, columns or in the form of a bar graph. The application also allows printing of reports.

Graph module – multichannel graph
**SERVER CONFIGURATION**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Intel 4 Core Xeon</td>
</tr>
<tr>
<td>Operation memory</td>
<td>min. 8 GB</td>
</tr>
<tr>
<td>Operating system</td>
<td>Microsoft Windows Server 2012 or higher</td>
</tr>
<tr>
<td>Database</td>
<td>Oracle version 11 or higher</td>
</tr>
<tr>
<td>UPS</td>
<td>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).</td>
</tr>
<tr>
<td>Design</td>
<td>RACK 19&quot;</td>
</tr>
</tbody>
</table>

**PC CONFIGURATION**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Intel i5 or higher</td>
</tr>
<tr>
<td>Operation memory</td>
<td>4 GB RAM</td>
</tr>
<tr>
<td>Accessories</td>
<td>CD or DVD, mouse, keyboard, USB port</td>
</tr>
<tr>
<td>Monitor</td>
<td>HD 1920 x1080</td>
</tr>
<tr>
<td>Operating system</td>
<td>Microsoft Windows 10 Pro</td>
</tr>
<tr>
<td>Languages</td>
<td>Czech, English, Russian</td>
</tr>
<tr>
<td>Print reports</td>
<td>PDF Creator, Report Viewer 2010</td>
</tr>
</tbody>
</table>
RMS
RADIATION MONITORING SYSTEM

OPTIONAL ACCESSORIES

**Server**
- PC with installed RMS database and data collection software

**Operator**
- PC with installed RMS data presentation software

RMS system scheme:
- **User displays**
  - PC 1 RMS client
  - PC 2 RMS client
  - PC X RMS client
- **Central data collection**
  - RMS Server
    - Oracle
- **Display units**
  - LZJ-22
    - 1
    - 2
    - 2
  - ASU-50
- **Radiation monitors**
  - Det 1
  - Det 2
  - Det 7
  - Det 9
  - Det 10
  - Det 12
  - Det xx
- LAN
- RS-485, 24VDC

VF, a.s. Czech Republic
T: +420 516 428 611
E: sales@vfnuclear.com

www.vfnuclear.com

Specification subject to change without prior written notice.
### RELATED PRODUCTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDG-04</td>
<td>Gamma Dose Rate Meters</td>
</tr>
<tr>
<td>MDG-08e</td>
<td>Gamma Dose Rate Meters</td>
</tr>
<tr>
<td>AGM-02</td>
<td>Area Gamma Monitor</td>
</tr>
<tr>
<td>MDN-01</td>
<td>Neutron Dose Rate Meter</td>
</tr>
<tr>
<td>CPM-300</td>
<td>Continuous Particulate Monitor</td>
</tr>
<tr>
<td>CPD-14</td>
<td>Continuous Particulate Detector</td>
</tr>
<tr>
<td>CID-03</td>
<td>Continuous Iodine Detector</td>
</tr>
<tr>
<td>LZJ-22</td>
<td>Local Display Unit</td>
</tr>
<tr>
<td>ASU-50</td>
<td>Alarm Slave Unit</td>
</tr>
</tbody>
</table>

---

VF, a.s. Czech Republic  
T: +420 516 428 611  
E: sales@vfnuclear.com  
www.vfnuclear.com  
Specification subject to change without prior written notice.