MIRION
TECHNOLOGIES

RADIATION DETECTION

WebiSmarts Software

Part of the WebiSmarts System

FEATURES

- Web-based software
- Isotope identification of effluent
- Supports over 20 maps
- Supports both existing and new data processing units
- New DPU-3 Monitor supports four detectors
- Map, points and historical data stored in a Server and accessed via a browser
- New Stack Monitor provides indication of effluent in the stack with isotope identification
- Flexible system configurations to meet your facility's exact requirements
- Factory calibration of all detectors

Area Monitoring

- Simultaneous Display of Dose + Dose Rate
- Quick access to multiple graphs

Production Monitoring

Online Q.A. provides guidelines for repeating or improving production routines.

DESCRIPTION

WebiSmarts is a web-based software package which receives online radiation data from DPU-3 Area Monitors which are strategically installed throughout the facility.

Users can access maps showing radiation levels on color- coded points, thus which presents a detailed yet concise radiological map.
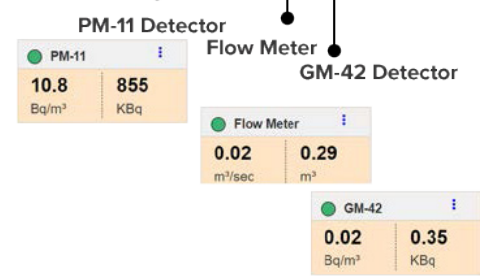
Peak Detection Module

One of the most important applications of the WebiSmarts System is the new improved Peak Report. The combination of the renowned Rotem PM-11 highly sensitive, NaI(Tl) detector, with the new coincidence stack detector provides the ability to differentiate between activity within exhaust stack and "noise" from outer sources.

Utilizing these characteristics of the detector, the new Peak Detection application will automatically assign each release to a specific isotope.

Stack Monitoring *(Same Capabilitiy as WebiMissions)*

- One Year Online Total Released Activity and Concentration
- A dry contact for actuating air duct vents or dampers
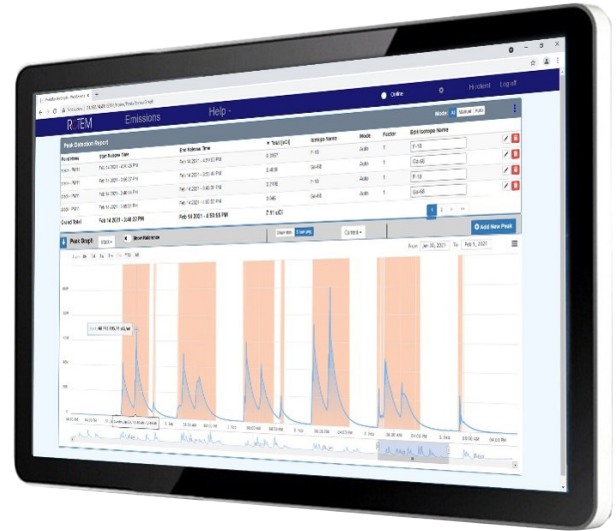- Real time, continuous background subtraction

WebiMissions SOFTWARE

WebiMissions Software is a derivative of the WebiSmarts Software package and is a cost-effective tool used to collect, store, display and report of effluent emissions from your site.

The WebiMissions Software is designed to be used together with the PM-11 Coincidence System to provide an advanced reporting capability:

Report only on effluent within the exhaust duct.
Provide isotope identification for the following isotopes:
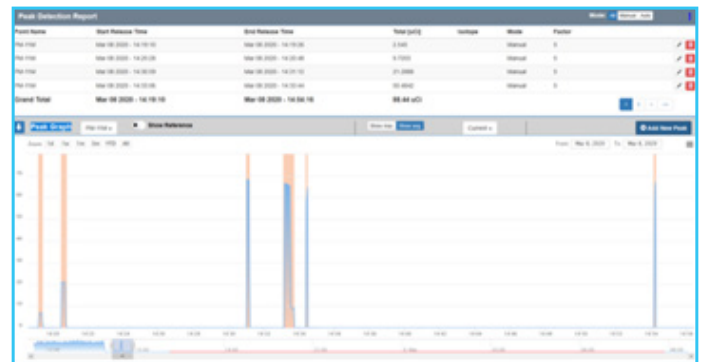F-18, Ga=68, O-15, C-11, N-13 I-131
Tc-99m, Ga-67, TI-201 I-125, Lu-177

The WebiMissions Software provides the following tools to enhance the user's experience:

- View up to one years' worth of data with the ability to zoom in and out.
- Sort the table by clicking on the table's headings
- Click on the line to focus on the required release
- Click on the Edit to move the boundaries
- Click on the Trashcan to remove the peak
- Show a reference detector
- Show Maximum/Average Readings
- Export to CSV File
- Print the Chart
- Save as a PDF and if you modified any parameters...
- Recalculate the peaks

FEATURES

- Web-based software
- Isotope identification of effluent
- Supports over 20 maps
- Supports both existing and new data processing units
- New DPU-3 Monitor supports four detectors
- Map, points and historical data stored in a Server and accessed via a browser
- New Stack Monitor provides indication of effluent in the stack with isotope identification
- Flexible system configurations to meet your facility's exact requirements
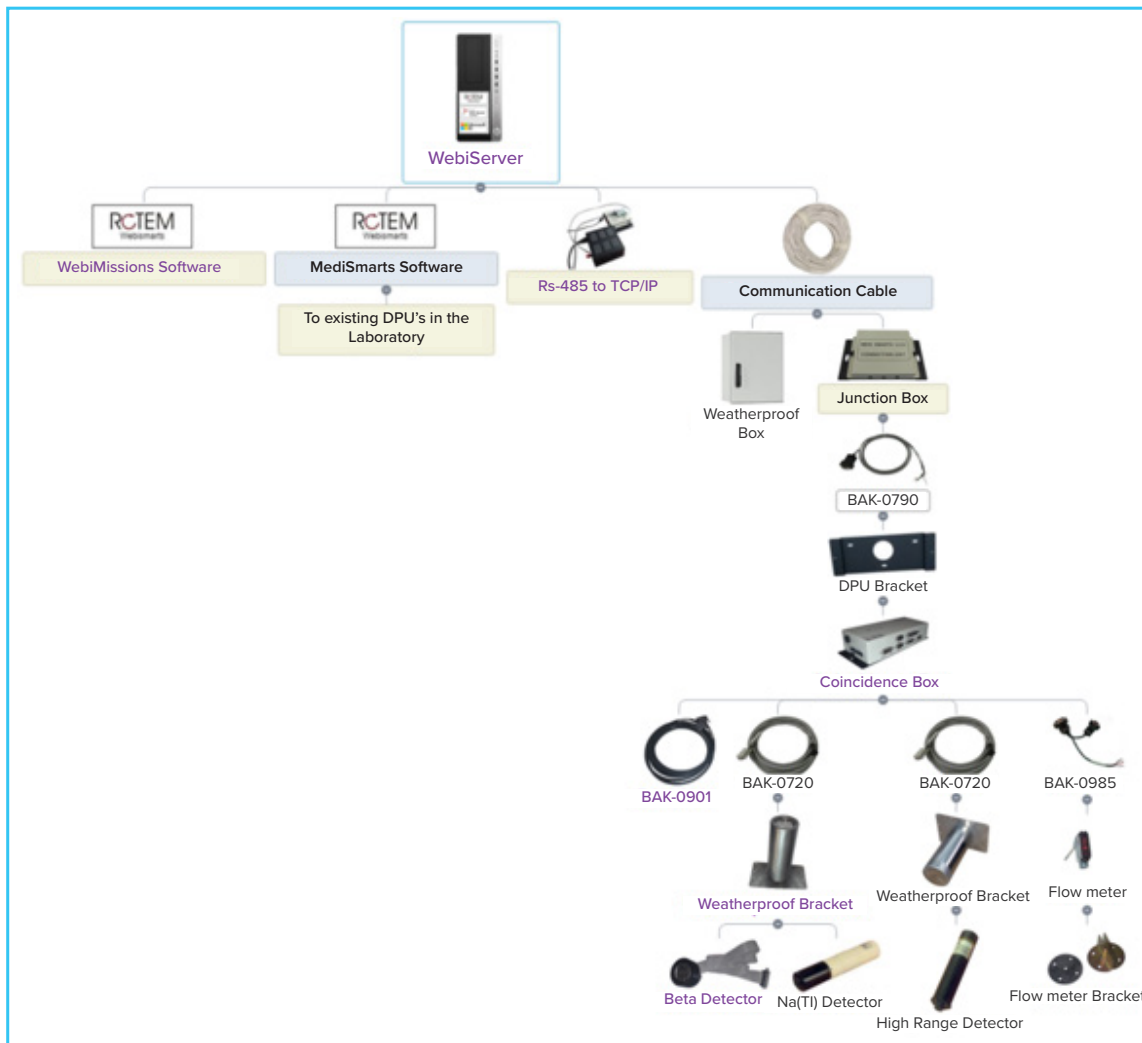- Factory calibration of all detectors

![ROTEM logo]
ROTEM
Rotem Industries Ltd
Devices sold by Mirion as an
authorized Rotem distributor.

WebiMissions Software (and the full WebiSmarts Software) supports the following Coincidence Counting Hardware

The Coincidence Connection Box is designed to connect the PM-11, GM-42, Positron Detector and Flow Meter to the Server via a RS-485 cable.

For new installations we provide a full duplex cable of six wires and for existing retrofit installations we work with the existing half duplex cable of four wires.

On the computer end, we provide a RS-485 to TCP/IP converter that allows WebiMissions Software to connect to the detectors via TCP/IP.

Compatible Hardware with the WebiSmarts Software

RCTEM
Rotem Industries Ltd
Devices sold by Mirion as an
authorized Rotem distributor.
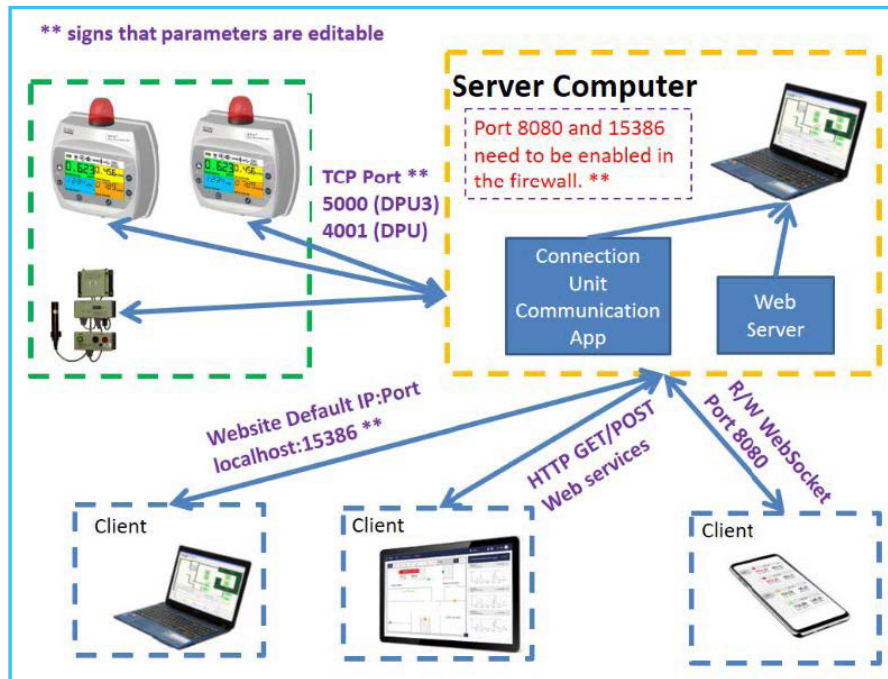
TECHNICAL DATA

PoE Switch Requirements

- Compliant to: 802.3af protocol
- Consumption: 12.95 W / DPU-3

Computer/Server Min. Requirements

- Disk Space: 256 GB
- RAM: 8 GB
- Graphics: UHD graphics 630
- Operating System: Windows 10 Pro
- SQL Version: Unlicensed version till 10 detectors

ORDERING INFORMATION

- BAK-0054: WebiSmarts Software
- BAK-0504: WebiMissions Software

WebiSmarts Structure

Rotem Industries Ltd

Devices sold by Mirion as an authorized Rotem distributor.