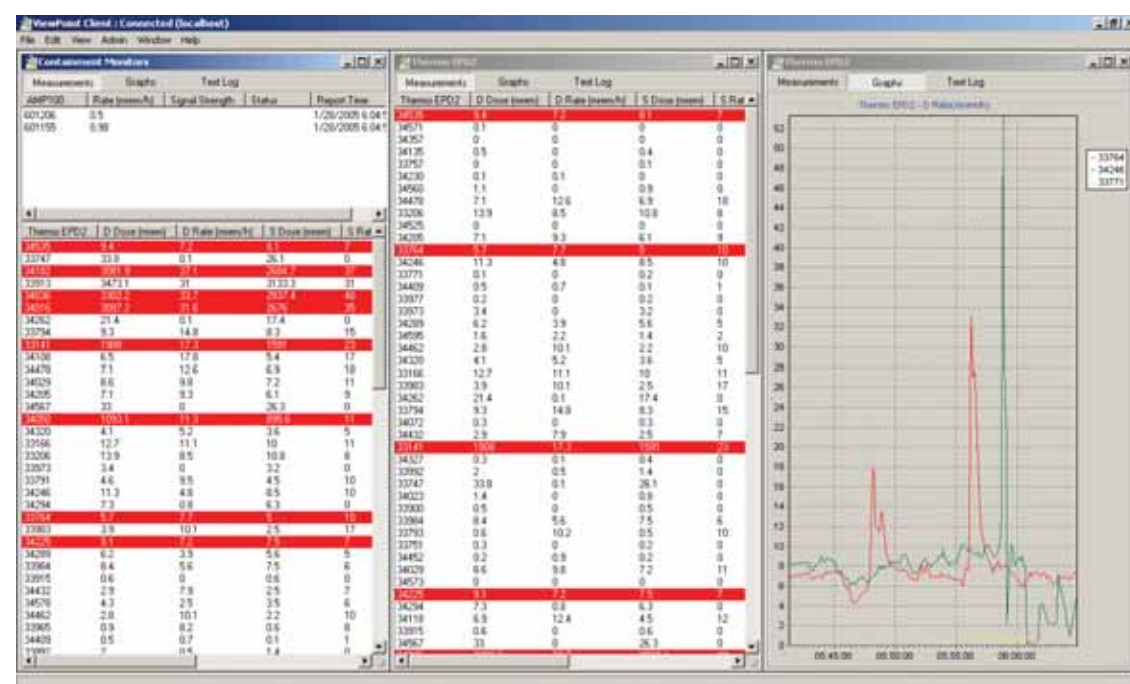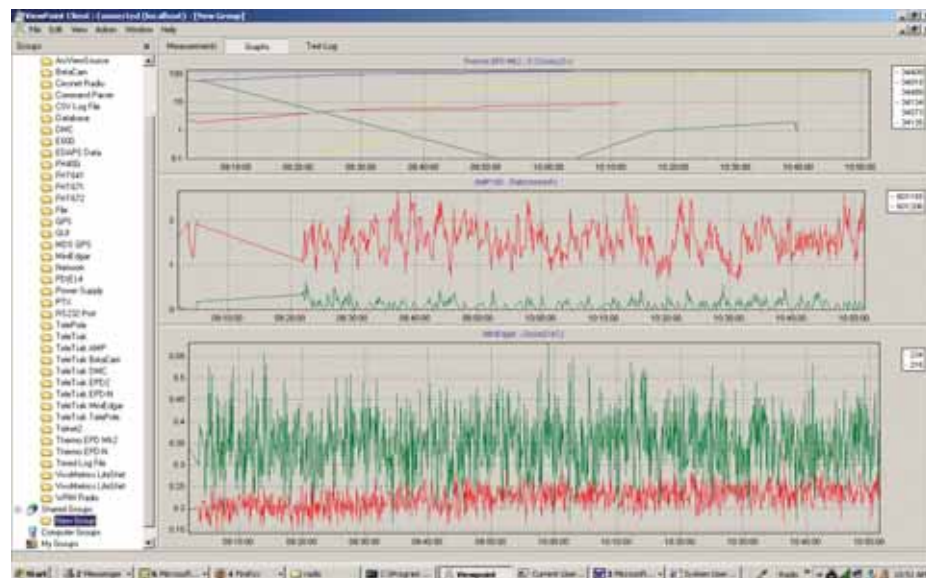## System Specifications

ViewPoint Specifications
Operates with Windows™ NT/2000/XP

Client Software Requirements
• Microsoft Windows™ NT 4 Service
  Pack 6 or
• Microsoft Windows™ 2000 Service
  Pack 4 or
• Microsoft Windows™ XP Service
  Pack 1 or higher

About Thermo Fisher Scientific

Thermo Fisher Scientific (NYSE: TMO) is the world leader in serving science. The company enables its customers to make the world healthier, cleaner and safer by providing analytical instruments, equipment, reagents and consumables, software and services for research, analysis, discovery and diagnostics.

With annual sales of more than $9 billion, Thermo Fisher Scientific has 30,000 employees and serves more than 350,000 customers in pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies, as well as environmental, industrial quality and process control settings.

www.thermo.com/rmp

ViewPoint™ Overview

The next generation Remote
Technology Software
application and platform

Thermo SCIENTIFIC

Part of Thermo Fisher Scientific

ViewPoint™ is the next generation remote monitoring software platform.

Features
- Sophisticated real-time graphing/trending
- Historical data retention
- Robust system and network design
- Centralization of instrument and sensor data
- Scalable System Architecture
- User-friendly, highly customizable and configurable group management
- System self-diagnostic capabilities

Benefits
- Ability to integrate a variety of environmental and industrial process instruments
- Efficiency and optimization of operational management by integrating personnel, area, and process monitoring and environmental monitoring
- Open-system architecture provides the ability to have phased implementation by incrementally adding instruments/sensors
- User has the abiliaty to build upon initial investment
- Self-contained server, with pre-installed software and built-in firewall
- Robust system platform designed for quick troubleshooting

Applications
- Real-time personnel dosimetry and data management
- Area monitoring
- Integrated remote monitoring
- Instrument management
- First Responder environmental monitoring
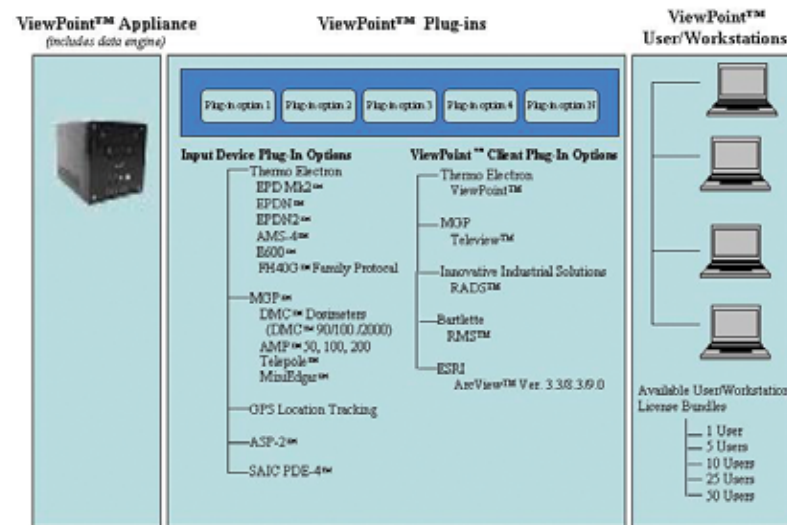- Site Process Monitoring

Description
The ViewPoint System provides real-time personnel and environment monitoring during normal and outage operations. Applications include the Nuclear Power industry, as well as in normal and incident operations in the Industrial, Civil Defense, and Security applications. The ViewPoint system has the capability to integrate radiation and environmental, and general purpose detectors from Thermo Fisher Scientific's portfolio and other vendors. The ViewPoint system provides users the ability to centrally process and analyze instrument/detector data. A major benefit is the sturdy design which is robust, secure and scalable.

The system is comprised of 4 components: 1) The ViewPoint Appliance with the ViewPoint Data Engine pre-installed 2) User workstations or viewing "clients", that the system will be deployed upon 3) Instrument (Input) Device Plug-Ins, and 4) Client Plug-Ins.

ViewPoint Appliance
The appliance is a self-supported, ViewPoint operating environment that is pre-loaded with the ViewPoint Data Engine and specified plug-ins. The ViewPoint Appliance is an industrial computer processor unit that delivers all of the power, flexibility and ruggedness on an industrial PC, in a small, stylish form factor, approximately one-third the size of a standard PC.

The Data Engine receives data from the system inputs (instruments/devices), routing them to one or more destinations. Typically, the "destinations" are one or more workstation PCs for display, job coverage, or database logging. The appliance provides "plug-and-play" capabilities, while providing additional system backup functionality and reliability.

ViewPoint System Schematic

User Workstations
The ViewPoint workstation has been designed to accommodate from 1 – 1000+ concurrent user(s)/workstation(s). The users'/workstation licenses are available for purchase in bundles of 1, 5, 10, 25, or 50. Additional users can be added at a later time by purchasing more bundles of users' licenses at the desired quantity.

ViewPoint has been developed with "smart capability" that regulates total number of concurrent workstations, based on the number of license bundles purchased, that can be logged into the Data Engine at one time. Specific workstations do not have to be designated as ViewPoint stations.

Plug-Ins
Each instrument, detector or sensor, which is capable of being remotely monitored by ViewPoint, has a unique Input Device Plug-In. This capability allows the instrument to communicate with ViewPoint Data Engine/System.

Client Plug-Ins
The ViewPoint User Interface and Data Engine are compatible with third-party Remote Monitoring Software systems. Compatability includes such systems as: MGPI-Teleview™, Industrial Innovative Solutions (IIS) – RADS™, and Bartlett – RMS™, and ESRI ArcView™ version 3.3 and 8.

All purchased plug-ins are pre-loaded on the ViewPoint Appliance prior to delivery. Additional Input Device plug-ins, Client plug-ins, and Users'/Workstation License Bundles can be purchased and added to the original ViewPoint appliance via a patch file and updated security key.

Instruments Currently Available on System

Detailed Features
Two-way communication with the Mk2 EPD and EPDN2
- Trigger EPDs to alarm from a central monitoring station
- Change EPD alarm set points remotely
- Re-configure other key operating parameters remotely
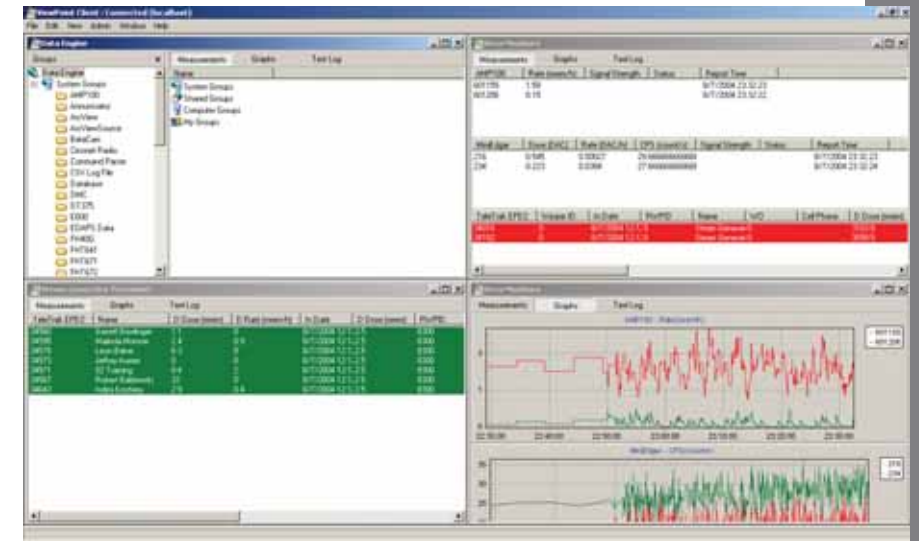
Custom Graphic User Interface
- Display and manage data in a number of configurable formats
- View area monitors on a computerized survey map
- Graph or trend multiple devices on a single graph
- Select timescales, zoom and print capabilities for all graphs

Appliance Package
- Self-contained server hardware with ViewPoint Data Engine software pre-installed
- Built-in firewall security protection
- Fully supported environment
- Plug-and-play capability
- Dedicated built-in server
- Hot-swap in the event of a failure

Enhanced Data Management Capabilities
- System permits logging of data to any ODBC compliant database
- Configurable Administrative and User Security Options
- Enhanced formatting options for Group Management
- Increased mathematical equations $(AND, OR, >, <, =, >, <)$
- Multiple system devices in a group allow for customized monitoring features

Sample User Interface Screen: Graphing and Data Management Capabilities

ViewPoint
ViewPoint provides a centralized real-time system which integrates a variety of Thermo Scientific and third-party radiation detection instruments.