CONTINUING INNOVATION

New and Featured Products

MIKE ENGELSMAN

Aegis, Apex-Guard, iCC products



Aegis

Portable HPGe Spectrometer



All-in-one design

Portable

Electrically operated

HPGe gamma spectroscopy instrument to

serve in-situ and laboratory applications

Intended Applications

ISOCS calibrations or other in-situ work requiring transportable HPGe detectors

Clearing objects, field remediation, mapping radiation fields, plant hold-up measurements

- Lab applications requiring dual purpose detectors
- Low downtime systems due to thermal cycle free design





Aegis Details

- Controlled from using Genie 2000 tablet/laptop/PC
- GPS and WiFi (can be ordered without)
- Choice of SEGe, XtRa or BEGe detectors
- Optional 6" Remote Detector Chamber
- IP65 Ingress Protection
- Continuous operation with spare batteries charging
- 2.5 hours of operation with two internal batteries
- <37 pounds</p>



To learn more about Aegis spectrometer

VISIT US TODAY IN

ADAMS A

4:00 - 5:30PM





Apex-Guard Software

Productivity Spectroscopy Software implements the controls required to ensure data integrity for a regulated count room, including US FDA Title 21 CFR Part 11 compliance.

Apex-Guard™

WHAT IS APEX-GUARD APPLICATION?

- Designed based on customer interviews
- Bolt-on to Apex-Gamma software
- Assists customers in becoming 21 CFR 11 compliant
- Provides additional security functions that apply to any count room, not just FDA regulated labs

APEX-GUARD APPLICATION PROVIDES...

- Windows credentials used for log-in
- Automatic log-off
- Increased security from standard Apex-Gamma software
 - Editing can only be done within Apex session
 - MCA adjustments can only be done from within Apex session

- Data Review analysis history
 - This preserves the initial analysis
- Enhanced Audit Tracking and Audit Log
 - Who, what, when and why
 - Digital signatures now included
- Electronic Signatures



OFFERINGS

- IQ/OQ service (installation qualification / operation qualification)
- Available as a software purchase or as a Comprehensive Service Bundle
- Electronic licensing

Say goodbye to your Genie 2000 dongle!



To learn more about Apex-Guard Software

VISIT OUR BREAKOUT SESSION THURSDAY IN

COTTONWOOD 8

3:00 - 4:30PM



Intelligent Cryo-Cycle Hybrid Cryostat

Electrically cooled cryostat



NEW HYBRID CRYOSTAT

- Electrically operated
- Liquid nitrogen redundant
- Ultra-quiet
- Maximize uptime by combining
 - Reliability
 - Advanced system monitoring

Intelligent Cryo-Cycle™

WHY DO I NEED THE ICC?

- Frequent or extended power interruptions may occur
- Detectors must remain cold to prevent downtime associated with thermal cycle
- Compatible with dipstick detectors
- Improved reliability

Intelligent Cryo-Cycle[™]



ENHANCEMENTS

- Colored coded status display
- More reliable cooler
- Same compressor as our Cryo-Pulse 5 Plus cryostat
- Internal log file
- Connectivity to PC and Lab-Pulse Services



To learn more about iCC cryostat

VISIT OUR BREAKOUT SESSION TODAY IN

ADAMS A

2:00 - 3:30PM

AUDREY SUMMERS

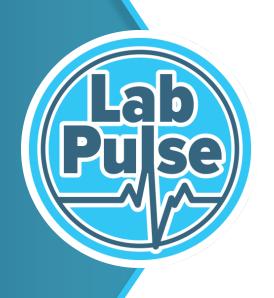
Lab-Pulse Services





Lab-Pulse Services

Dramatically improve your equipment uptime with Lab-Pulse Services

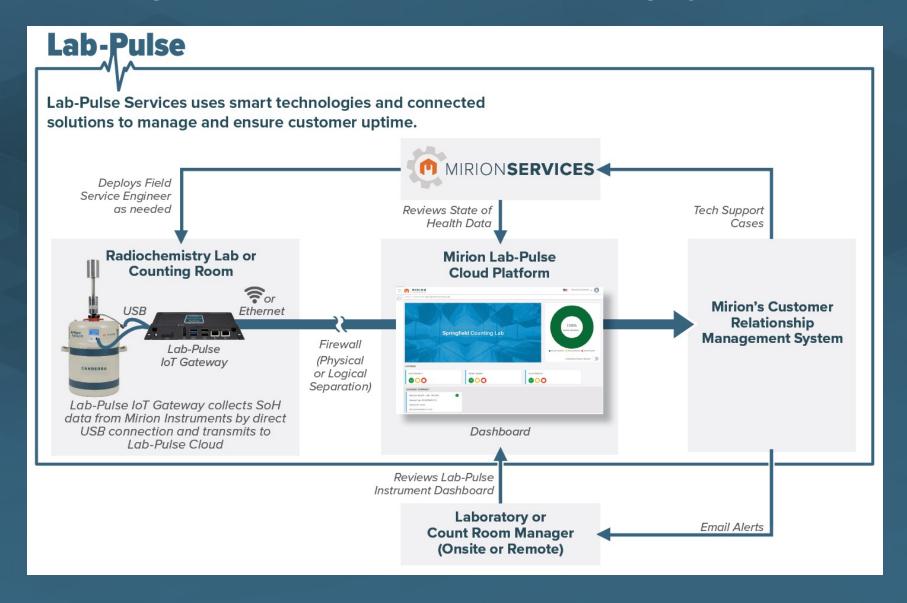


Lab-Pulse Services
Sit back and relax...
We've got this!

Lab-Pulse Services: Uptime when you need it



Our Vision: A single service to connect and manage your Mirion Instruments



Why Lab-Pulse Services?



✓ Confidence & Reliability

- Know your systems will perform during surge operations, such as outages
- Fewer spares required

Better Return on Investment

- Equipment lasts longer
- Equipment performs better



Better Operational Efficiency

- Advanced planning for system maintenance
- Faster troubleshooting
- Fewer emergency visits

Increased Uptime

- Less lost revenue
- Fewer missed deadlines



To learn more about Lab-Pulse Services

VISIT OUR BREAKOUT SESSION TODAY IN

COTTONWOOD 1

2:00 - 3:30PM

DAVE JARROW

Orion Real-Time Location System



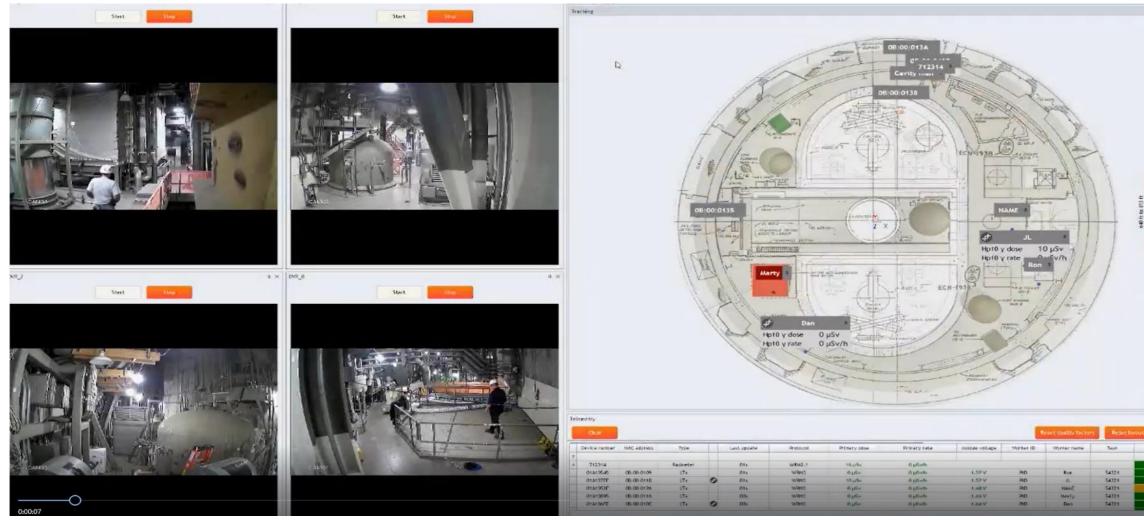


Orion Real-Time Location System

Track critical assets, support critical path time reduction and ALARA efficiencies and improve overall radiological safety



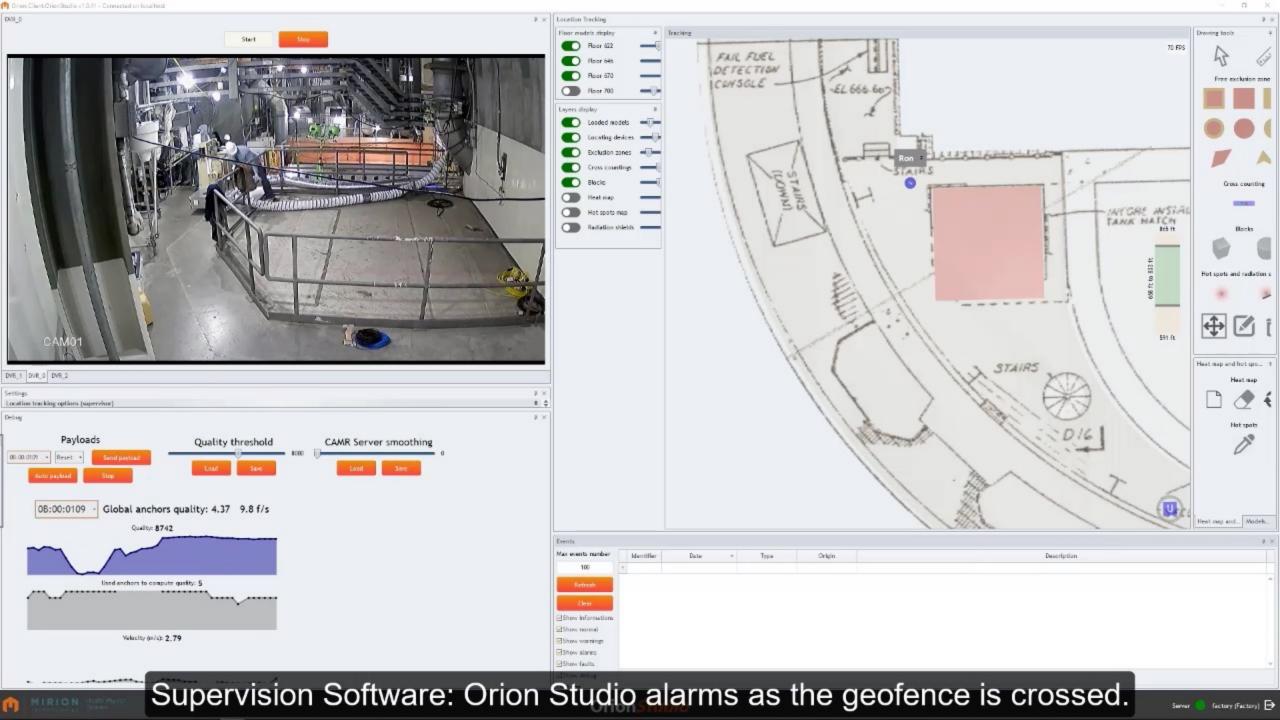


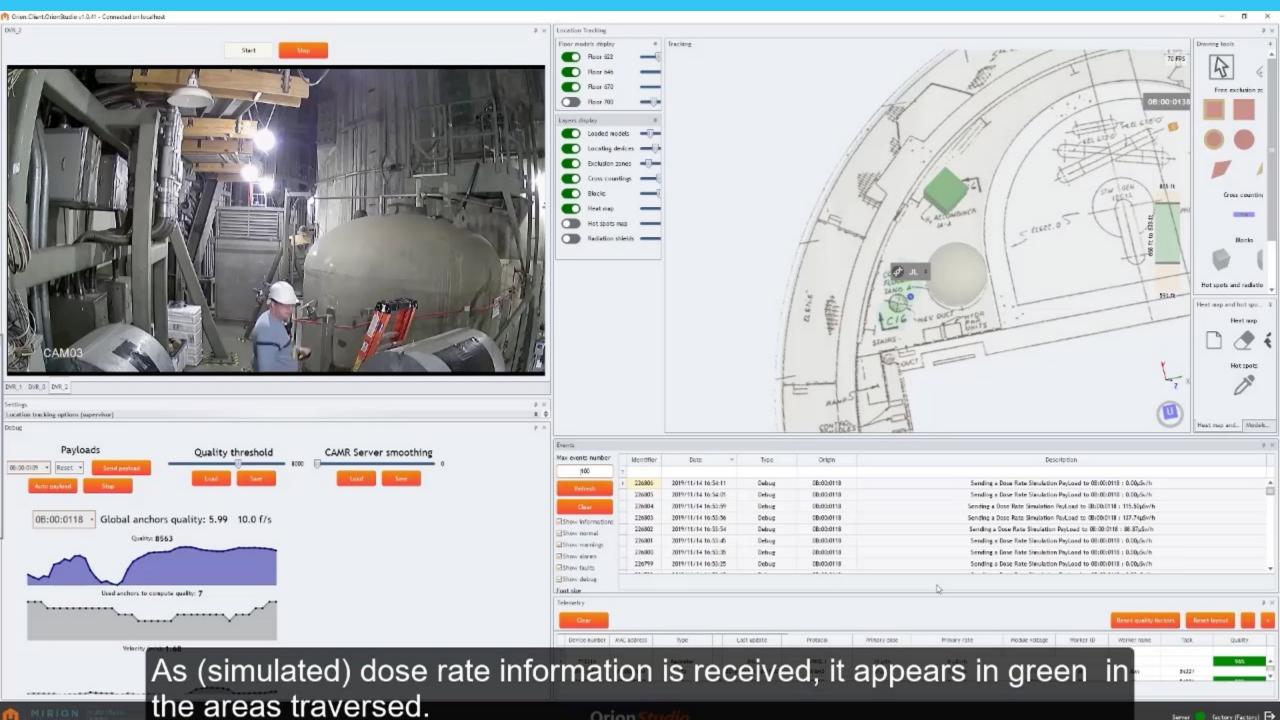


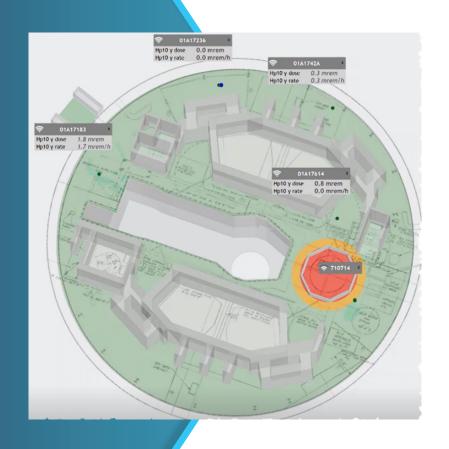
* Radiological Data Simulated: The Bellefonte Nuclear Generating Station site is owned by the Tennessee Valley Authority and is located in Hollywood, Alabama. Reactor Unit 1 construction was estimated at 88% complete and Unit 2 is 55% Complete. The project construction was suspended in 1988.



Orion RTLS system integration test at TVA Bellefonte, Hollywood, AL. This facility is complete. However, fuel was never loaded.





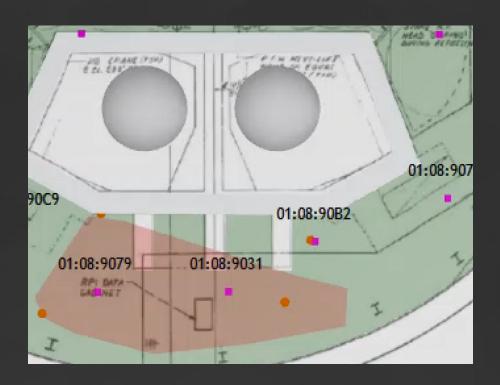


Location Tracking

- 1 meter location accuracy with WRM radiological data
- Site 2D/3D maps can be added into Orion Studio software
- Distinct views of elevations or areas can be created
- WRM capable instruments can be paired with asset tags for dose rate location tracking
- Area Monitors / Airborne Contamination Monitors and other "telemetry enabled" instruments can be "placed" on the Map

Asset Tracking for Warehousing and Critical Path

- Tracked with 1 m location accuracy data and presented on the Site 2D/3D maps
- Assets can be viewed with workers or separately monitored
- During outage/refurbishment: Attach to critical items such as:
 - Tools
 - Filters
 - Lead Blankets
 - Lay Down Area Equipment
- Large scale installations:
 - Cover warehouse items for storage of high value
 / critical inventory



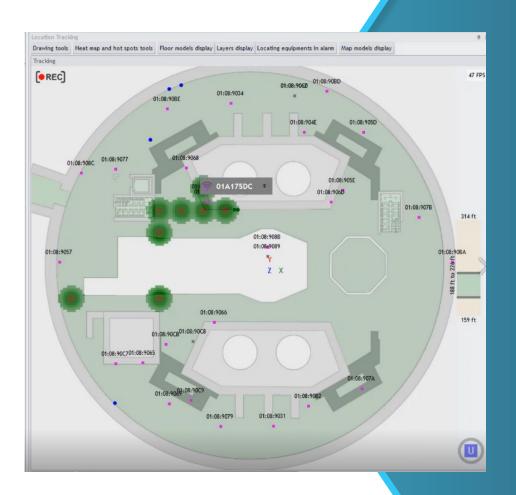


Geofencing

- Create virtual boundaries to trigger warnings and alarms
- Monitor restricted / LHRA / high dose rate areas
- Restricted areas to certain personnel
- Control tasks based on specific hazard location or location

Dose Rate Mapping

Using location and dose rate data from survey instruments and dosimeters to create composite "heatmaps"





To learn more about Orion RTLS

VISIT US TODAY IN

THE DEMO ROOM

4:00 - 5:30PM

KEITH SPERO AccuRad PRD



AccuRad PRD

For Emergency Responders By Emergency Responders



"Voice of the Customer" wanted **Discreet**, **Durable** and **Easy-to-use** device.

WHAT ELSE DID WE LEARN?

The AccuRad PRD is **ALSO** fully capable for use in Nuclear Power Plants, DOE, Universities, Industrial Facilities and others, for applications such as:

- Low dose rate radiological surveys
- Trash monitoring
- Emergency response

Who Benefits?

- HP/ RP / Rad-Con personnel in NPP, DOE Site, DoD., Shipyards, State Labs, Prisons, Waste processors, Remediation sites...
- State Inspectors and Emergency Mgmt Agency personnel
- Laboratory Personnel
- Radiation Safety Officers
- Hospital Emergency Room Staff
- Navy and Army EOD (Bomb techs) personnel
- Mining
- Industrial scrap metal and waste processing

New AccuRad Evolution

The AccuRad PRD SIMULATOR for Training

- Maintains all of the AccuRad functions, including the innovative radar search, trending and AccuRad Smartphone (and connection to RadResponder)
- AccuRad SIM and RADSIM RF simulates effects shielding and highly realistic search and localization
- Smartphone App for customized training solutions





To learn more about AccuRad PRD

VISIT US TODAY IN

COTTONWOOD 5

11:30AM - 1:00PM