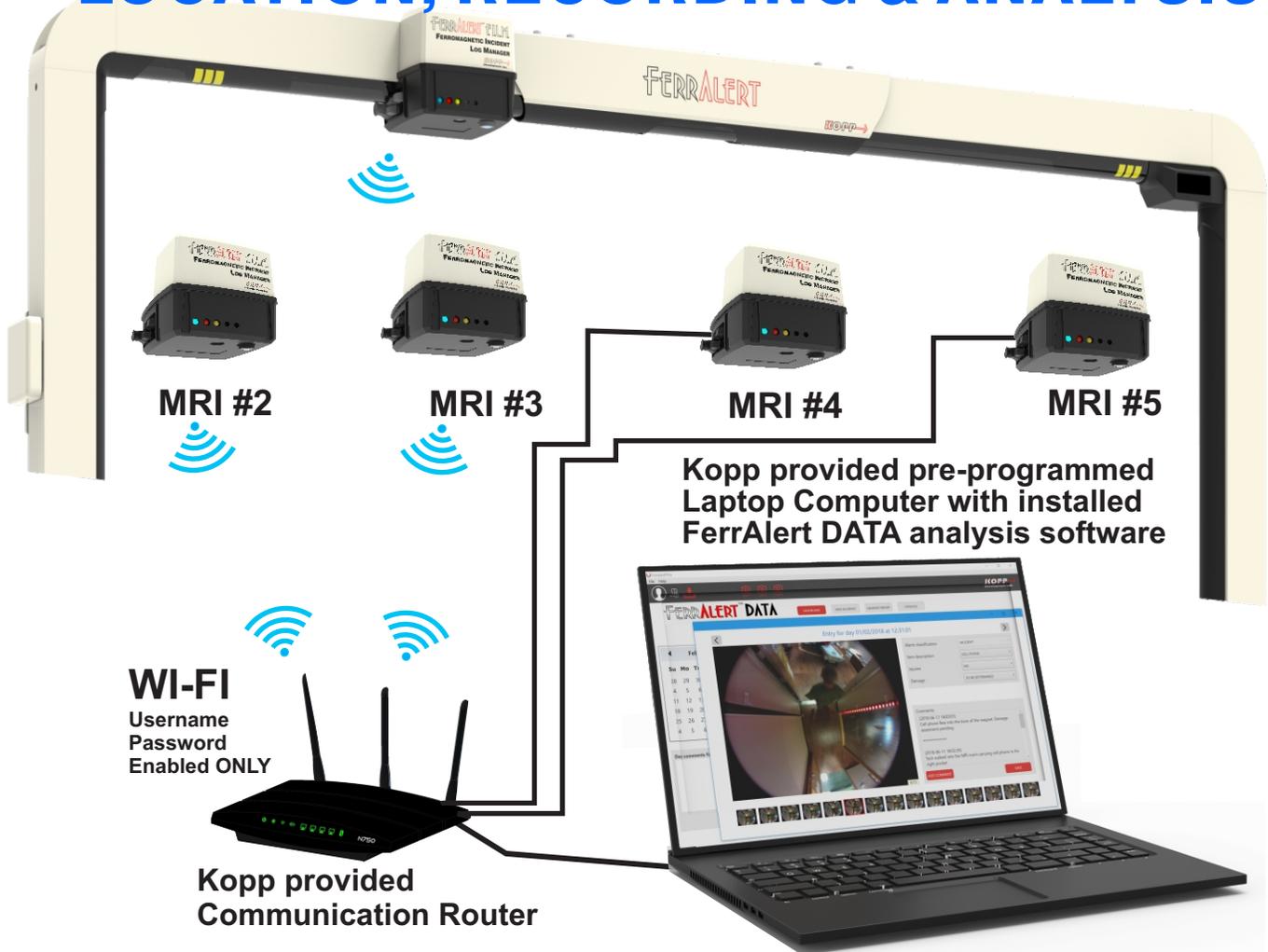


FERRALERT™ ENCOMPASS

FERROMAGNETIC THREAT DETECTION, LOCATION, RECORDING & ANALYSIS



- Automatically locates and logs ferromagnetic threats for:
 - ✓ *The Joint Commission logging compliance*
 - ✓ *Root Cause Analysis investigations*
- Provides a photographic log of each event
- Does not interrupt workflow or rely on self-reporting
- Provides reports and analysis of safety trends
- Easily implemented connectivity and expandability
- Reports can be shared throughout the entire hospital system
- Patented worldwide

FERRALERT™ ENCOMPASS

THREAT DETECTION AND LOCATION WITH:

FERRALERT™ HALO II *Plus*

FerrAlert™ provides the most reliable detection and prevention of ferromagnetic threats from entering the MRI room (Zone IV). FerrAlert™ detectors are recognized to be the most accurate ferromagnetic detectors for MRI, due to their exclusive object location-specific feature.



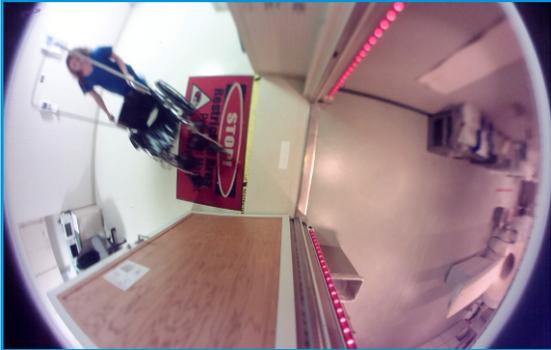
FerrAlert™ Unique Features:

- Intelligent Pre-Warning on approach WELL OUTSIDE the magnet room
- Instantly PINPOINTS LOCATION of the ferromagnetic threat
- NO INTIMATE CONTACT required
- Alarms are visible from INSIDE and OUTSIDE the magnet room
- REDUCES ALARM FATIGUE by sensing direction of personnel
 - ✓ No Alarm on door
 - ✓ No Alarm on Exit
 - ✓ No Alarm on Cross Traffic

RECORDING FERRALERT™ ENCOMPASS

The imaging system, FERRALERT™ F.I.L.M. ,(F.I.L.M.) is configured and positioned in a location to allow simultaneous viewing inside the MRI scanner room as well as the approach to the scanner room.

Shown below are a few sample of images from one date and time stamped log:



Visual Advance Pre-warning:

All 48 red alarm lights of FerrAlert™ HALO II PLUS are activated on the approach of a ferromagnetic wheelchair WELL OUTSIDE scanner room. No Audio alarm sounds at this time.



Audio alarm and F.I.L.M. are activated:

When the Photoelectric sensor of the FerrAlert™ HALO II PLUS is crossed, the F.I.L.M. stores the images that lead up to the activation. F.I.L.M. continues to take and store images after the incident occurs to document actions after the incident.



Location of the projectile threat pinpointed:

In this image, both bottom sensors are activated indicating that the area of the threat is near the floor and ferromagnetic. The location feature allows determination of the position of ferromagnetic objects for post incident data analysis.



Action taken after incident:

The person did not continue into the scanner room, but instead turned around and left the area. The green READY lights illuminate indicating that there is no approaching ferromagnetic threat.

ANALYSIS

Daily report

From the DASHBOARD, tab the date of 01/01/18 is selected. It is noted that non-ferrous transports were implemented. All recorded events for all F.I.L.M. cameras are listed.

FERRALERT™ ENCOMPASS

The screenshot shows the FerrAlert™ Data Dashboard. At the top, there are navigation tabs: DASHBOARD (selected), VIEW INCIDENTS, GENERATE REPORT, and STATISTICS. Below the navigation is a calendar for December 2017. The 31st is highlighted in red, indicating the selected date. To the right of the calendar is a grid of event thumbnails, each representing a recorded event with a timestamp and camera ID (e.g., 08:34:03 CAM1).

Incidents

From the VIEW INCIDENTS tab, incidents with no injuries, for the date range of 1/1/18 to 1/23/18 have been selected. Other information such as object type and whether damage occurred is listed.

The screenshot shows the FerrAlert™ Data View Incidents screen. The search filters are set to: Start date: 1/1/2018, End date: 1/23/2018, Classification: INCIDENT, Injuries: NO, Item description: Select, and Damage: Select. Below the filters is a table of incident records.

Camera name	Date	Classification	Item description	Injuries	Damage	Notes
CAM 3	01/05/2018 09:45:02	INCIDENT	COSMETIC PRODUCT	NO	NO	(2018-06-08 08:47:05)
CAM 3	01/02/2018 12:31:01	INCIDENT	GLASSES	NO	TO BE DETERMINED	(2018-06-11 17:30:15)
CAM 3	01/01/2018 14:06:29	INCIDENT	COINS	NO	NO	(2018-06-08 10:09:26)

Tracking Trends

From the STATISTICS tab, a date range of 9/1/17 to 6/11/18 was selected. Occurrences which involved patient transports and which caused injuries and damage are plotted.

The screenshot shows the FerrAlert™ Data Statistics screen. The search filters are set to: Start date: 9/1/2017, End date: 6/11/2018, Classification: ALL, Injuries: YES, Item description: PATIENT TRANSPORT, and Damage: YES. The 'Include day comments' checkbox is checked. Below the filters is a line graph showing the number of occurrences over time. The Y-axis represents the number of occurrences (0 to 50), and the X-axis represents the date (12/11/17 to 01/25/18). The graph shows a significant peak in occurrences around 12/31/17.



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