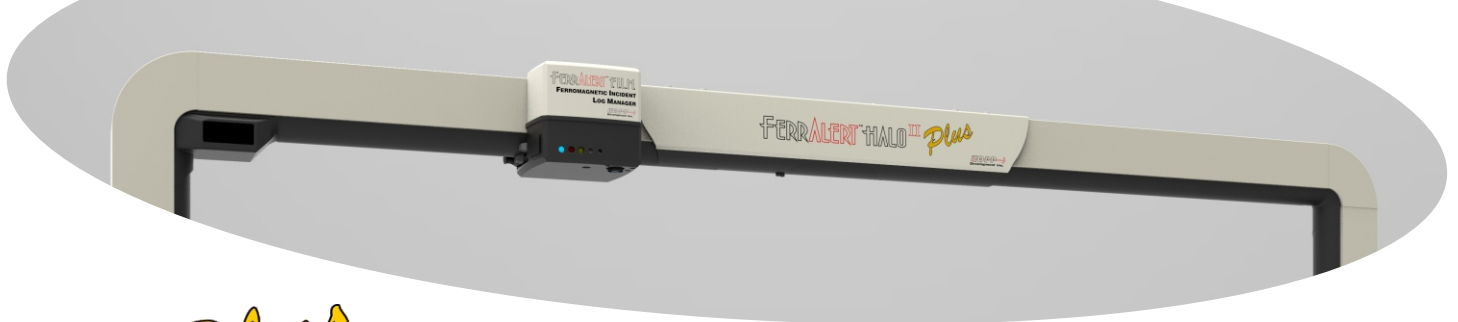


FERRALERT™ F.I.L.M.

FERROMAGNETIC INCIDENT LOG MANAGER



plus

FERRALERT™ D.A.T.A.

DATA ANALYSIS and TRACKING APPLICATION

F.I.L.M. provides an automatic data record of Ferromagnetic Objects entering the MRI scanner room

- Facilitates The Joint Commission compliance for Incident Logging
- Logs potential and actual ferromagnetic incidents
- Provides a visual record of the events leading up to the incident
- Provides a visual record of the actions after the incident
- All records of incidents are stored and date and time stamped
- Assists with Root Cause Analysis
- Patented worldwide
- HIPAA compliant

FerrAlert™ F.I.L.M. Function:

The FerrAlert™ Ferromagnetic Incident Log Manager, *F.I.L.M.*, is located at the doorway of the MRI magnet room. The imaging system 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.

Specifications:

System requirements: Installed FerrAlert™ HALO II PLUS (not included)

Dimensions: Height: 3.153" (80.09mm); Width: 3.951" (100.36mm)
Depth: 3.830" (97.29mm)

Mounting: Mounts on FerrAlert™ HALO II PLUS Portal or Separate Mounting Bracket

Complies with IEC 60601-1:2005 Medical Device Specification

Medical Power Supply: 100 to 240 VAC, 47 to 63 Hz, 25 Watts

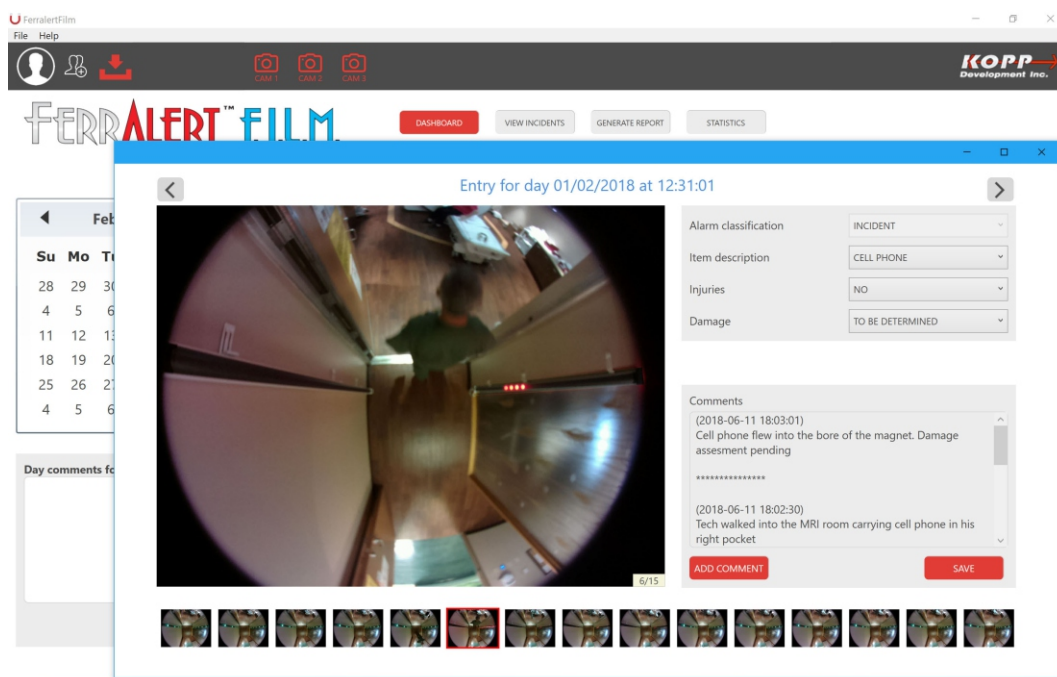
Data connection: USB port, WiFi, Ethernet



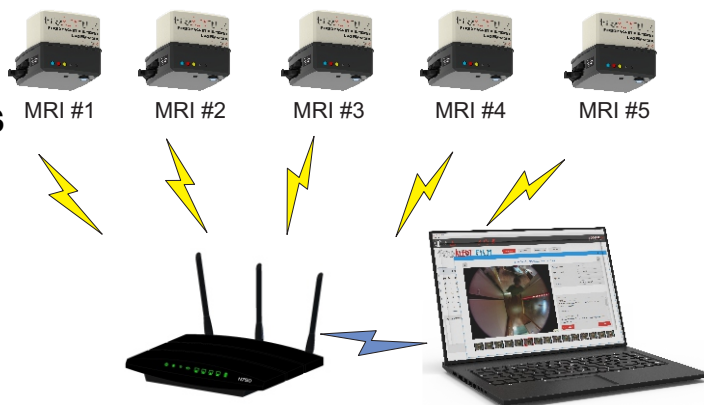
FERRALERT™ D.A.T.A.

DATA ANALYSIS and TRACKING APPLICATION

Software and Electronic Terminal Package to Facilitate Classification and Documentation of Ferromagnetic Objects Entering the MRI Scanner Room



- Captured images allow review at a time convenient to the MRSO
- 15 inch touch screen display with full size keyboard
- Supports multiple FerrAlert™ F.I.L.M. inputs
- Supports multiple data entry formats
- Facilitates trend analysis
- Assists with Root Cause Analysis



Typical Reports



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.

The screenshot shows the FerrAlert F.I.L.M. 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, with the 1st of January 2018 highlighted in red. To the right of the calendar is a grid of camera icons, each labeled with a date and time (e.g., 08:34:02 CAM 1). Below the calendar is a text box titled "Day comments for 01/01/2018" containing the text "non-ferrous patient transport was implemented." and a "SAVE" button.

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 F.I.L.M. View Incidents screen. It features a search filter section with the following fields: 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 listing incidents:

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 F.I.L.M. Statistics screen. It features a search filter section with the following fields: Start date (9/1/2017), End date (6/11/2018), Classification (ALL), Injuries (YES), Item description (PATIENT TRANSPORT), and Damage (YES). There is a checkbox for "Include day comments" which 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 dates from 12/11/17 to 01/25/18. The graph shows a significant peak in late December 2017, reaching nearly 50 occurrences. A legend indicates that blue dots represent Ferromagnetic Entries, green dots represent Day Comments, and red dots represent Incidents.



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