



GAMMASPOOR

**TRACKING OF INDUSTRIAL RADIOGRAPHY
DEVICES AND TRANSPORT CONTAINERS
IN USE WORLDWIDE**

Asset Tracking (GammaSpoor)

Industry and Regulatory needs.

User

1. Monitoring and control of their Devices.
2. Tracking of shipments.
3. Reporting for audit purposes.
4. A method for locating lost or stolen Devices.
5. Tracking of the radioactive source.

Regulator

1. Tracking of the radioactive source.
2. A view of D(U) movement in and out the country.
3. A view of Device movement in and out the country.
4. Search and Recovery.

Asset Tracking (GammaSpoor)

Challenges:

Size – Compact enough to fit a wide variety of shapes.

Cost – How to provide a cost-effective tracking solution for small operators with one or two Devices and those with many Devices.

GPS/GSM Technology - The tracker is not always “visible” due to storage conditions or lack of coverage.

Battery - Battery life and keeping the battery charged.

Asset Tracking (GammaSpoor)

Challenges:

Lost/Stolen container – Ensuring the container can be found before the battery dies.

Roaming - Ensuring the tracker can be tracked worldwide.

Tampering - Getting users to respect the tracker and its purpose.

Transit – Feedback from carriers / freight forwarders not always fast and reliable.

Asset Tracking (GammaSpoor)

Dimensions - Fitting the tracker to various container shapes.



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Asset Tracking (GammaSpoor)

Consignors

Shipping sources in unlicensed containers.

Shipping sources under UN2908.



Asset Tracking (GammaSpoor)

Other Features:

Military spec components

Live tracking via secure website

Remote configuring and “wake-up” (User defined)

Geofence setup (User defined) / Anchor Alert

Impact alert (User defined)

Multiple notifications via e-mail / text (User defined)

Full movement / History reporting

Request battery level / low battery alert

Re-chargeable long-life battery – IATA Approved

Meets the prescribed IATA in-flight conditions for Tracking Devices

Asset Tracking (GammaSpoor)

GammaSpoor interface showing a list of tracked units. The interface includes a search bar, tabs for Unit, Driver, and Geofence, and a list of units with their status and location information.

Unit	Driver	Geofence
Gammatec prototype 2 (Test Unit)	Gammatec	
GAMMASPOORDEMO (Test 1)	No Info	No Info - No Info
GAMMA2335 (GAMMASPOOR)	NONE	No Info - SA
GAMMA0993 (GAMMASPOOR)	NONE	No Info - SA
DUAL0375 (GAMMA0990)	NONE	No Info - SA
RIA30 (GAMMA1816)	2.7 km from Kempton Park	Gauteng - ZA
RIA36 (GAMMA2830)	Gammatec	
RIA33 (GAMMA7883)	2.5 km from Kempton Park	Gauteng - ZA
RIA 96 (GAMMA1543)	Gammatec	

GammaSpoor interface showing a map of Rhodesfield and OR Tambo International Airport. A red dot on the map indicates the location of unit RIA33 (GAMMA7883). A detailed status window is open for this unit.

Status	Driver
	GAMMA7883 - RIA33
	2019-08-31 13:48:23
Street	: Close to R21
Town	: 2.5 km from Kempton Park
Province	: Gauteng
Country	: South Africa
Heading	: S
Speed	: 0 Km/h
Position	: -26° 7' 43" 28° 34' 0"

Asset Tracking (GammaSpoor)



Any Questions?