PRODUCT HIGHLIGHT / **iCMORE Dangerous Goods**

SAFETY FIRST - PROTECT LIVES, ASSETS AND REPUTATION

The innovative iCMORE Dangerous Goods family of smart and adaptable object recognition algorithms offers automatic detection of an ever expanding list of dangerous goods – including lithium batteries.

FEATURE HIGHLIGHTS

- Mitigates risks and increases safety to protect lives, assets and reputation
- Invaluable support for screeners
- Little or no training required
- No impact on overall evaluation speed
- High probability of detection and low false alarm rates
- Cost effective option or upgrade

MITIGATING THE SAFETY RISK OF DANGEROUS GOODS

With Smiths Detection's iCMORE capability you can now reliably and accurately detect potentially dangerous items using both conventional X-ray and explosives detection systems (EDS) to protect the lives of your staff as well as your assets and reputation. Advanced automatic object recognition as well as artificial intelligence algorithms have been leveraged to achieve maximum detection performance.

iCMORE Lithium Batteries delivers accurate automatic detection of lithium batteries to mitigate the risk posed by such a volatile item which is known to have caused severe damage in the past.

iCMORE Dangerous Goods automatically detects lithium batteries plus a range of other dangerous goods for comprehensive safety applications:

- Lithium Batteries
- Flammable Liquids & Solids
- Liquefied & Compressed Gases

LITHIUM BATTERIES - POPULAR AND VOLATILE

Lithium batteries are the primary power source for the majority of personal, portable electronic devices, with consumer demand for these products growing annually.

Given the short life-cycle of these items, shipping time is critical and air freight is clearly the fastest way to transport the devices. As a consequence, the number of incidents involving miss-declared or undeclared lithium batteries has also risen.

Since January 2006, a total of 268 incidents of smoke, heat, fire or explosion involving lithium batteries in air cargo or hold baggage has been recorded[1].

Lithium Battery Incidents
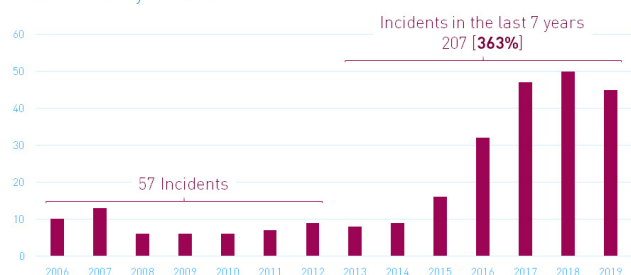
The potential that batteries ignite whilst airborne (particularly low quality or even counterfeit batteries) is a real threat to the aviation industry.

Lithium batteries are therefore classified as dangerous goods and when shipped by air they require special treatment and additional declaration according to International Air Transport Association's (IATA) regulations.

[1] https://www.faa.gov/hazmat/resources/lithium_batteries/media/Battery_incident_chart.pdf

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POWERFUL DETECTION

iCMORE provides powerful automatic detection, increasing the safety of your passengers, staff, goods and aircrafts while not impairing the speed of your operations. It supports image operators by detecting lithium batteries and other dangerous goods without increasing their burden as it requires little training and generates very low false alarm rates.

INCREASED SAFETY AND SECURITY

HIGH DETECTION RATE

COST EFFECTIVE OPTION

LITTLE OR NO TRAINING REQUIRED

Adding iCMORE does not impact the speed of overall image evaluation. It operates in parallel to existing approved or certified explosives algorithms and does not require any recertification.

Using this technology will not only make aviation safer but can also help prevent costly fines for shipping dangerous goods in a non-compliant way.

WHICH SCREENING SYSTEMS?

Providing invaluable support to image analysts iCMORE Dangerous Goods is available as an option on the automatic explosive detection system HI-SCAN 10080 XCT. The iCMORE Lithium Batteries capability can be added to the X-ray screening devices HI-SCAN 100100V-2is and HI-SCAN 100100T-2is as well as the HI-SCAN 10080 XCT.

A combination of excellent performance and small footprint makes the HI-SCAN 100100-2is series a popular choice for air cargo handlers, wherever diverse parcel shapes and sizes need to be screened. In the passenger segment the HI-SCAN 100100-2is series is also frequently deployed for out of gauge baggage.

The HI-SCAN 100800 XCT is a new generation explosives detection system (EDS) which can be integrated into advanced, fully automated material and baggage handling lines. With ECAC EDS Standard 3.1 approval, it uses Computed Tomography (CT) technology combined with a dual energy line scanner to offer the very accurate identification of suspicious substances needed both in hold baggage and in-line air cargo screening.

The iCMORE modules are offered as an option on new systems or as an on-site upgrade.

Please get in touch with us to discuss your specific application requirements.

AVAILABLE ON THESE SYSTEMS

HI-SCAN 100100V-2is

HI-SCAN 100100T-2is

HI-SCAN 10080 XCT

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