

PRODUCT HIGHLIGHT / **iCMORE Lithium Batteries**

MITIGATING THE SAFETY RISK

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

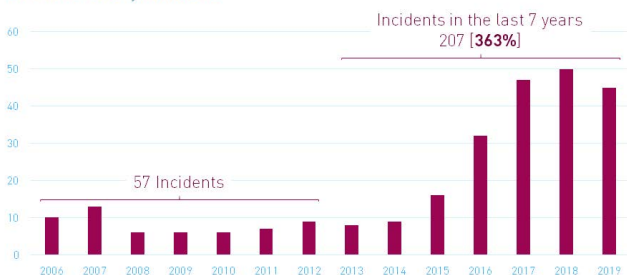
FEATURE HIGHLIGHTS

- Mitigates risks and increases safety to protect lives, assets and reputation
- Invaluable support for cargo and hold baggage 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

Lithium batteries are the primary power source for the majority of personal, portable electronic devices. Consumer demand for products featuring lithium batteries is growing by 17% 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. With it, the number of incidents involving miss-declared or undeclared lithium batteries has also risen.

The potential that batteries ignite whilst airborne (particularly low quality or even counterfeit batteries) is a real threat to the air cargo sector. Since January 2006, a total of 268 incidents of smoke, heat, fire or explosion involving lithium batteries in air cargo or hold baggage have been recorded.^[1]

Lithium Battery Incidents



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.

iCMORE Lithium Batteries from Smiths Detection now delivers accurate automatic detection of undeclared lithium batteries in hold baggage and air cargo to mitigate the risk posed by such a volatile item which is known to have caused severe damage in the past.

POWERFUL DETECTION

iCMORE Lithium Batteries 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 undeclared batteries 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 Lithium Batteries 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 lithium batteries in a non-compliant way.

WHICH SYSTEMS?

Providing invaluable support to cargo and hold baggage screeners, iCMORE Lithium Batteries is available as an option on the X-ray screening devices HI-SCAN 100100V-2is, HI-SCAN 100100T-2is as well as the automatic explosive detection system HI-SCAN 10080 XCT.

A combination of excellent performance and small footprint makes the HI-SCAN 100100 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 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.

iCMORE Lithium Batteries is offered as an option on new systems or as an on-site upgrade.

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

AVAILABLE ON THESE SYSTEMS



HI-SCAN 100100V-2is



HI-SCAN 100100T-2is



HI-SCAN 10080 XCT