



## CANINE LITHIUM-ION BATTERY DETECTION

Pictured: Rudy, SOC's expert Lithium-ion battery detection canine, bringing agility and search capabilities far surpassing man and machine, where minutes, even seconds, matter.

### MITIGATING LITHIUM BATTERY RISKS TO AIR CARRIERS & THE AIR CARGO INDUSTRY

SOC is one of the few companies currently providing lithium-ion battery canine detection capabilities with teams working on the ground at major airports. At the Canine Training Center, SOC is also developing pilot programs and research to help air carriers mitigate the ongoing lithium-ion battery risk, as government regulations work to catch up— which are still under development to create improved search standards and guidelines for battery shipping safety protocols. As a leader in the canine industry, our dogs represent by far the fastest and most effective way to screen cargo for any specific item, be it lithium-ion batteries or explosives.

Lithium-ion batteries, classified as hazardous materials, are very sensitive to high temperatures and are flammable, as the components degrade at a much more rapid rate, due to heat. These fires are difficult to extinguish and the batteries emit fire that quickly spreads. The outcome of this ongoing risk includes major liabilities and costs to air carriers, airlines, and shipping companies alike, in the form of: emergency landing of planes, explosions with fire and smoke damage, passengers requiring medical examination and/or emergency care, and the financial costs that follow these potentially avoidable catastrophes.

This has also created a desire for some companies or bad actors to work around legal shipment channels, resulting in the smuggling of lithium-ion batteries in bulk – a major hazard in storage and shipping environments.



Reach out to inquire  
about our Canine  
Teams & Solutions.



SCAN ME

## SOC'S PROPRIETARY PROTOCOL IN CANINE LITHIUM-ION BATTERY DETECTION



### ANSWERING THE URGENT INDUSTRY NEED

We bring a higher level of proven success to the industry in canine search and detection capabilities.



- With more than 15 years supporting critical U.S. Government missions, we have provided hundreds of successful canine teams to important locations around the world.
- Our cargo screening methods include state-of-the-art video and digital tracking software to employ the most efficient method of screening and lithium-ion battery detection. SOC utilizes specialized software and wireless video technology to record, document, and provide in-depth analysis of canine training activity, deployments, and cargo screening operations in compliance with TSA's regulatory standards.
- In line with our commitment to exceed industry standards in safety, also as a core value, we maintain a dog-first philosophy.

### SOC, A LEADER IN THE CANINE INDUSTRY

- More than 15 years in the Canine Industry.
- Our Canine Solutions exceed industry standards by carefully and systematically training our dogs, not sacrificing quality for time.
- SOC is operating as one of the few Certified Cargo Screening Facilities K-9 (CCSF-K9) in the United States.
- Our Canine Solutions have successfully supplied more than 550 Canine teams globally, in the protection of personnel, facilities, and assets.
- All our dogs are imprinted on 34 explosive odors, one odor at a time.
- Canine Solutions provides the government and private sectors with a wide assortment and variety of working dogs.

As a leader in the canine industry, SOC has set the highest standard with stringent operating procedures for canine operations, including: Canine Management & Record Keeping, Transportation & Mobile or Travel Housing, Healthcare & Husbandry Standards, Population Management, Housing Standards & Operations, Trauma Management & Emergency First Aid, Emergency Response Planning, Canine Training, Physical Conditioning Programs, Transitioning and Retirement. These sections can be modified or deleted as required by the client.