



FOR IMMEDIATE RELEASE

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ADDED LAYER OF FLIGHT SECURITY VITAL FOR AIRLINES ACROSS THE GLOBE

Flightweight, Ltd. Rolls Out Next-Gen Solutions to Address Airline Security's "Danger Zone"

WREXHAM, UK— *Flightweight, Ltd.*, an innovative aviation design and manufacturing company of airline trolleys, specializing in security and anti-theft issues, has developed and introduced the patented *SmartCart*[™] incorporating the *AirGuard2*[™], a high-security locking and sealing device that will provide greater security to a vulnerable and potential aviation security threat.

The company's *SmartCart*[™] with the *AirGuard2*[™] electronic locking mechanism addresses the threat airlines face due to potential security lapses pertaining to food and duty-free delivery. This risk is a very real global aviation security concern which is reportedly being taken seriously and investigated by the U.S. Office of the Special Counsel, U.S. Senate Homeland Security Committee, and the Transportation Security Administration (TSA).

“Working in tandem, the new *AirGuard2*[™] and *SmartCart*[™] designs are pioneering solutions to potential threats of theft and terrorism which are arguably among the most important problems that airlines, airport operators, and aviation agencies face each and every day. These safety mechanisms add a much-needed layer of protection and offer peace of mind for air travelers and flight crews throughout the world,” said Chris Bench, managing director of Percival Aviation.

“While the TSA (Transportation Security Administration) works diligently, screening 5.5 million carry-on pieces of luggage at airports every day, onboard catering equipment remains a vulnerable ‘Danger Zone’ to airline safety and security,” said Gary Lesley, *Flightweight's* director of strategic development. “Our mission is to assist the airline industry in mitigating these critical threats through our advanced new systems,” continued Lesley.

AirGuard2's[™] innovative electronic seal and RFID card eliminate the need for airlines, catering companies, and duty-free suppliers to secure their airline trolleys with traditional types of seals, including plastic zip ties, cable ties, or padlocks which can easily be removed and replaced. The system also generates a valuable electronic manifest which is available for the airlines to check and control the status and location of all their trolleys at any particular moment. The *SmartCart*[™]

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compliments security measures through its intelligent design and multi-point locking mechanism providing greater strength and security along the length of the door. As an added security measure, the patented modular design prevents the trolley from being disassembled externally. *SmartCart™* trolleys and the *AirGuard2™* are fully tested and certified by the European Aviation Safety Agency (EASA) and the Federal Aviation Administration (FAA) (through reciprocity).

Flightweight, Ltd. is currently working with airlines to implement the *AirGuard2™* and *SmartCart™* systems aboard their aircraft. *SmartCart™* is not only eco-friendly through its use in construction of sustainable and recyclable materials but also has an attractive payback and return on investment.

About *Flightweight, Ltd.*: *Flightweight's* unique solutions are designed from the ground up and deliver dramatically improved security, product traceability, and significant operational efficiency in the air and on land. Every device is built and tested according to the standards required by the European Aviation Safety Agency (EASA). As a leading innovative aviation design company in aerospace issues concerning security and asset protection, *Flightweight, Ltd.* is committed to the use of high-quality and revolutionary materials while increasing airline security throughout the world. For more information, visit www.flightweight.net.

Photo caption:

Flightweight, Ltd.'s SmartCart™ featuring the *AirGuard2™* technology that protects airline galley carts.

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AIRGUARD2™ FACT SHEET

- ◆ The patented *SmartCart*™ incorporating the *AirGuard2*™ electronic locking mechanism is designed to safeguard the contents of airline galley trolleys through a series of security controls adding a critical layer of security that helps prevent and identify unauthorized access.
- ◆ The time between the loading of food onto trolleys at catering facilities, and the subsequent transit of the trolleys to their destinations is the most vulnerable when it comes to a potential breach.
- ◆ When a catering trolley exits the catering facility after being stocked with food, beverage and retail items, the contents are verified by a senior employee with security clearance.
- ◆ Once the trolley's contents are met with satisfaction, the employee locks the trolley with the *AirGuard2*™ mechanism, by using their own personalized encrypted RFID card. The trolley is then loaded onto the vehicle which takes it to its airport destination.
- ◆ This system produces a record of who locked the trolley and at what time and location, which is vitally important to help ensure security.
- ◆ If there is an unscheduled or unauthorized attempt to open the trolley while in transit to and from the catering warehouse to the aircraft, airline personnel receive a message on the trolley's visual display that states "attack detected." At this point, only a senior airline employee authorized by the airline can unlock the trolley using their master RFID card.
- ◆ *AirGuard2*'s™ innovative electronic sealing mechanism eliminates the need for airlines, catering companies, and duty-free suppliers to secure their airline trolleys with traditional types of seals, including plastic zip ties, cable ties or padlocks which can be easily copied and replaced. The *SmartCart*™ system also compliments security measures through its intelligent design and multi-point locking mechanism which provides strength and security along the length of the door.
- ◆ "Green" by eco-sensitive design and materials, *SmartCart*™ trolleys have an attractive payback and return on investment.
- ◆ *SmartCart*™ trolleys and the *AirGuard2*™ are fully tested and certified by the European Aviation Safety Agency (EASA) and (through reciprocity) the Federal Aviation Administration (FAA).