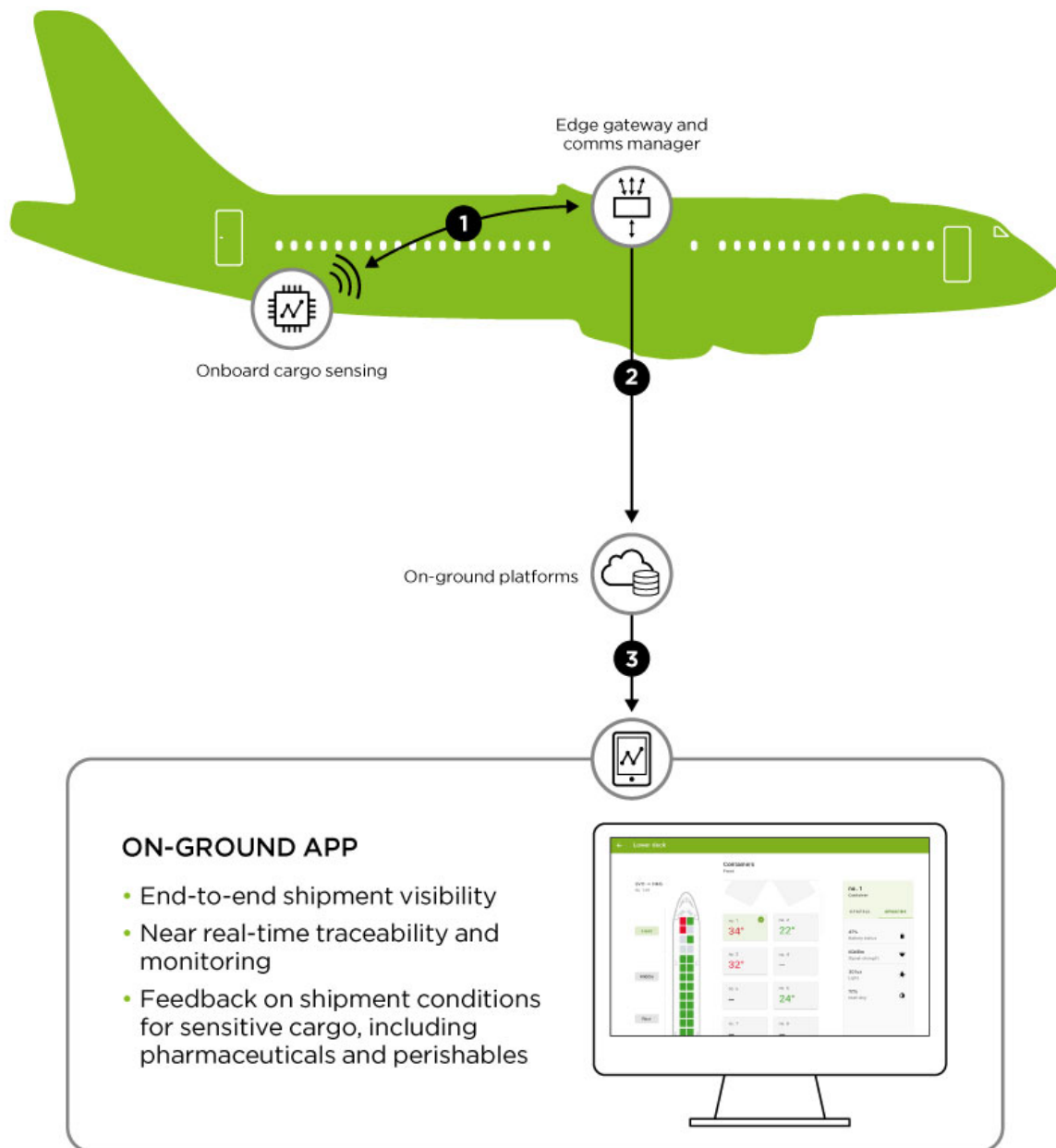# SITAONAIR's aircraft Internet of Things takes off with pioneering AirBridgeCargo and CargoLogicAir project

SITAONAIR's trademark 'open platforms' approach is turning the aircraft Internet of Things (IoT) concept into a reality, in a key development for the air transport industry. By applying its open platforms approach to delivering bespoke IoT capabilities onboard, SITAONAIR will securely integrate diverse aircraft avionics – encompassing sensors, connectivity, hardware, applications and more – heightening the potential of the connected aircraft.

Edge gateway and comms manager

1

Onboard cargo sensing

2

On-ground platforms

3

ON-GROUND APP

- End-to-end shipment visibility
- Near real-time traceability and monitoring
- Feedback on shipment conditions for sensitive cargo, including pharmaceuticals and perishables

For this aircraft IoT project, SITAONAIR is joining forces with two pioneering cargo carriers AirBridgeCargo Airlines (ABC) and CargoLogicAir (CLA) at the 2018 Farnborough Air Show in July. They will demonstrate how SITAONAIR's IoT platform enables two strategic partners, ABC and CLA, to monitor, in real-time, the journey of sensitive pharmaceutical cargo inflight.

SITAONAIR's specific IoT solution for AirBridgeCargo and CargoLogicAir works by collecting IoT data provided by OnAsset Intelligence, its demo partner, and cargo-monitoring specialist, during the course of a flight. This OnAsset Intelligence data is then fed through SITAONAIR's onboard IoT edge gateway. The data can then be sent, securely, to its ground data management and dispatch platform, built to monitor the in-flight status of carriers' goods.

Currently, there are no other solutions on the market that provide inflight cargo sensing and freight condition visibility, as perishable and temperature-sensitive goods can only be monitored on the ground. SITAONAIR's collaboration with AirBridgeCargo and CargoLogicAir therefore represents a shift in technological intelligence, enabling actions or decisions to be made inflight to help optimize performance.

Sergey Lazarev, General Director of AirBridgeCargo Airlines, says: "As one of the world's leading cargo airline, digital pharma is a priority innovation focus for us. With genuine Internet of Things capabilities, enabled for us onboard by SITAONAIR, our digital pharma service is born, ensuring we can provide the best transportation conditions inflight for customers' invaluable cargo."

David Kerr, CEO of CargoLogicAir, highlights: "Customers in the air cargo industry are aiming at getting better digital experience. With SITAONAIR we will be able to move towards to establishing of holistic digital environment for our customers".

Dominique El Bez, SITAONAIR VP of Product & Strategy, says: "We are proud to work with AirBridgeCargo and CargoLogicAir to further improve in-flight aircraft and transported assets monitoring, bringing additional value to the airline.

"With over two-thirds (67%) of commercial airlines surveyed by SITA Group ambitious to invest in Internet of Things initiatives in the years ahead, the IoT arena is truly set to take off. As the true experts in delivering the promises of the connected aircraft, through our wealth of in-flight connectivity, aircraft data management, and aircraft communications solutions, we are naturally positioned to bring game-changing innovation to the aircraft Internet of Things space.

"Our vision is for SITAONAIR to become the enabler of IoT ecosystems onboard aircraft, with an open platform that will be aircraft safety compliant and cost-effective. Developed in collaboration with the wider aviation industry, our experts and engineers are enthusiastically exploring aircraft IoT functionalities, and with our rate of development, we aim to bring a sweep of aircraft IoT portfolio products to market from 2019."