



**smARTE** **BY** **FLEX**  
SOLUTIONS DIGITAL

SMARTE STOCK MANAGEMENT

AVIATION

"REAL-TIME OPERATIONAL EXCELLENCE"

# FLEX SMARTER SOLUTIONS

## FLAWLESS EXECUTION THROUGH DIGITAL MASTERY

We will help you to maximise your organisation's Return on operational Assets (RooA). This means that we enable you to operate your assets as effectively and efficiently as possible, while also ensuring they are healthy and safe. In this way, you reduce your operational costs and risks, becoming far more profitable as a result.

We can achieve this through one or more of our six "smARTE solutions" that have been built using a combination of our leading-edge, digital technologies and are focused around our "Real-Time operational Excellence (RTE)" mantra.



$$\frac{\text{Operating Income}}{\text{Average Operating Assets}} = \text{RETURN ON OPERATING ASSETS} \uparrow$$



# SMARTER STOCK

## OPTIMAL AIRLINE INVENTORY MANAGEMENT

### What does optimal airline inventory management mean to you?

According to the International Air Transport Association (IATA), Provisioning of inventory assets is one of the most important factors in successful airline operations. However, sometimes it is one of the least understood. Proper provisioning of inventory assets ensures adequate coverage in the assured eventuality of a maintenance event requiring a replacement part. These maintenance events can occur during daily operations (failure or damage) or during a scheduled maintenance visit. While different in nature, each of these events shares the facet of disruption to airline operations. During the flight day the disruption may include a late departure or cancellation, and during a scheduled maintenance event, a removal could jeopardize the work flow and timely return of the aircraft to service.

In addition to airplane parts, managing the stock of luggage that the airline transports on behalf of their customers becomes an essential part of their operations and customer service. Additionally, there is also the onboard emergency equipment that requires optimal management to adhere to the strict regulation of the aviation industry.

### Optimising inventory management for airlines

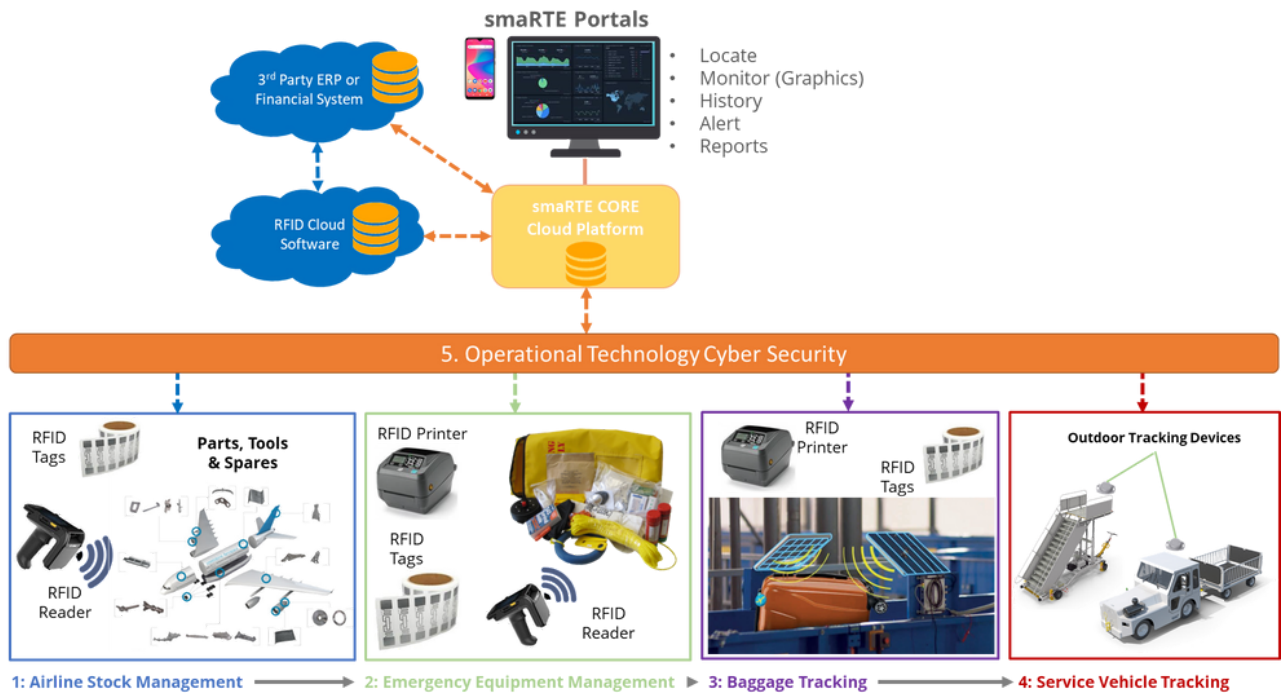
It is clear that all airlines have a large number of inventory assets that they need to manage in an optimal way to ensure maximum availability of their planes, the emergency equipment inside them, as well as the luggage that they carry. This cannot be achieved using traditional manual methods. New technologies and solutions are necessary in this highly pressurised and regulated industry. For example, IATA has unanimously adopted a resolution supporting the global deployment of Radio Frequency Identification (RFID) for baggage tracking and the implementation of modern baggage messaging standards to more accurately track passengers' baggage in real time across key points in the journey.





# SMARTE STOCK

## THE SMARTE SOLUTION:



## THE OPERATIONAL BENEFITS:

- Reduce receiving times by **82%** and improve stock-on-hand accuracy to **99%**.
- Reduce stock variance resolution time by **93%**.
- Reduce time taken to locate parts, tools, spares and emergency equipment by **86%**.
- **100%** real-time visibility of stock and emergency equipment.
- Reduce disruptions to airline operations by up to **24%**.
- Improve baggage tracking & tracing to above **99%**.
- Provide **100%** real-time visibility and efficiency of service vehicles.





# SMARTER STOCK

## THE POSITIVE FINANCIAL IMPACT:

- Reduce stock management labour costs by **37%**.
- Reduced stock holding by up to **56%**.
- Free up working capital by at least **25%**.
- Reduced stock shrinkage costs by up to **58%**.
- Reduce late departure and flight cancellation costs by as much as **23%**.
- Reduce lost and stolen baggage costs by up to **28%**.

**ROI < 1 YEAR!**

**INCREASE ROOA  
BY 10% OR MORE**

**CONTACT US TO FIND OUT MORE!**



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