



# GSE & RAMP-OPS

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## PODCAST

### **Episode 1 – The part that autonomous GSE can play in improving the efficiency of aircraft turnarounds**

#### **Description**

We will discuss the introduction of autonomous GSE. How does autonomous GSE effect turnaround efficiency? How safe and how reliable is the technology and how does this technology affect the CapEx and OpEx costs of equipment when compared to current options? Should we be worried about ramp rash/PAD (preventing aircraft damage)?

### **Episode 2 – Effective GSE resource planning**

#### **Description**

We will discuss how a GSE operator ensures they have the right sized fleet. Many stations have too much GSE, which has an impact on CapEx and OpEx costs. We will look at minimalising fleet numbers and how using telematics can maximise the operational availability of equipment.

### **Episode 3 – Preventing aircraft damage: eliminating ramp rash**

#### **Description**

We will discuss methods that can be adopted by ramp operators to minimise the number of incidents that might lead to damage to aircraft, techniques and tools such as: induction training; ongoing and recurring training; eliminating cases of unreported damage and near misses; the use of reporting systems; touch on the various GSE collision avoidance technologies available; and the value of telematics. We will also look at possible future technological or procedural advances that might help.

## **Episode 4 – Preventing aircraft damage: approach systems and IATA AHM-913**

### **Description**

We will discuss the challenges faced by operators when operating to the standards advised in IATA AHM-913. We assess the costs of the technology that should where possible be fitted to GSE, associated staff training and other related issues.

## **Episode 5 – Data-driven approaches to managing safety on the ramp**

### **Description**

We will discuss the value of data passing between handlers, airlines and airport operators when dealing with an incident on the ramp and safety more generally. We will also discuss the quality and management of data being recorded and shared: what should be shared and how?

## **Episode 6 – The need for adequate airside charging infrastructure**

### **Description**

We will discuss the charging infrastructure that is required at airports to allow ground handling agents to employ fleets of battery powered GSE. Challenges to overcome include poor electrical grids in some locations and a lack of investment in recharging facilities at others. Is new battery technology that allows faster charging and/or less frequent charging easing the challenge?

## **Episode 7 – Through-life GSE capability management and total cost of ownership (TCO)**

### **Description**

We will discuss how a GSE operator should be calculating an item of equipment's TCO before buying it and assessing how that cost can be minimised. Good GSE maintenance is part of that, and we look at what IT is available to support that process.

## **Episode 8 - Pooling (GSE shared by multiple GSPs)**

### **Description**

We will discuss the advantages and disadvantages of pooling to different elements of the aviation industry, amongst them handlers, airlines, and airport operators.

## **Episode 9 – Improving GSE Maintenance Facilities**

### **Description**

We will discuss the improvements needed at facilities around the world for dedicated GSE maintenance.

