TWIGA AERO
AVIATION TRAINING & CONSULTING

Masterclass:
Risk-Based Approach to Reduce Aircraft Ground Damage

Duration: 1 Day [6 training hours]

Facilitator: Maurizio Anichini & Brenda Aremo-Anichini

Overview: The classic iceberg shows that numerous near misses result in an accident. Without a proper *hazard identification*, *risk mitigation* and *root cause analysis* the accident will re-occur. This masterclass unveils the practical approach taken to gain intelligence and drive change. Case studies used will highlight the value of conducting operational and GSE risk assessments. It will also provide insight on how to conduct effective investigations and identify root causes.

Objectives: Using case studies, participants will learn how to:

- Investigate ground operations incidents, accidents & near misses
- Find different ways to gather & validate information required during investigations
- Identify causal factors and analyze them
- Establish a root cause analysis program
- Develop robust recommendations that will assist in eliminating the sources of incidents & accidents

Outline:

- Key terms & definitions
- The accident pyramid & the safety framework
- The investigation process & techniques
- Gathering & validating factual reporting
- Investigation reporting
- Establishing a root cause analysis program
- Root cause analysis of case studies to:
    - Resolve ground operations inefficiencies
    - Resolve audit findings
    - Resolve ground operations safety incidents, accidents & near misses
- Case study of a GSE risk assessment

References: IATA AHM, IGOM, ISO

Additional information:

Participants are encouraged to bring their laptops to take notes.

Target Audience: This course is open to the public providing great benefit to:

- Current students
- Recent graduates
- Aviation professionals
- Aviation organizations (airlines, airport authorities, ground service providers, General Sales Agents with oversight in ground operations, aviation security firms)
- Insurance firms, brokers & underwriters providing aviation insurance services

Instructional aids: Presentations, group discussions & Q&A session.