

# **FB TECHNOLOGY**

*World Leader in Airfield Photometry*

## **SODICE**

## **Airfield Cleaning Equipment**



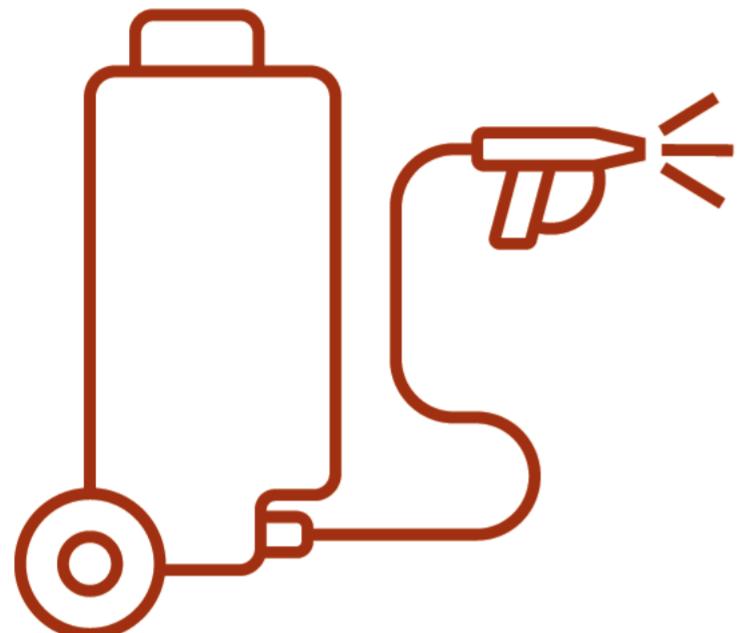
**Have a project, need some advice ?  
Contact our team.**

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# Why is Light Cleaning important ?

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Operational influences such as contamination with rubber and dust are one of the main reasons causing reduced light intensity of airport visual aids. Your lighting system could no longer fulfill the requirements of the ICAO and FAA standards.

## The Challenges of Airfield Lighting Cleaning

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- > Maximize runway time availability
- > Ensure compliance to ICAO and FAA standards
  - > Use safe equipment for your staff
  - > Use eco-friendly method for the environment





# The Innovation in Lights Cleaning

Different cleaning methods exist. One uses the dry-ice to clean the prisms of airfield light fittings. Cleaning with dry-ice is efficient, environmental friendly but this method generates difficulties for the Airfield Maintenance teams because the storage is made highly complex in order to keep the right temperature for the ice not to melt.

Nowadays, new solutions are emerging. Vegetal powder or soda powder are replacing dry-ice. They provide same cleaning efficiency and are simple to store.



*Inset light before cleaning*



*Inset light after cleaning*

# Cleaning

Take off after take off, landing after landing, rubber deposits reduce the light intensity.

To a certain extent, it can become dangerous for the air traffic.

## TOTAL REMOVAL OF

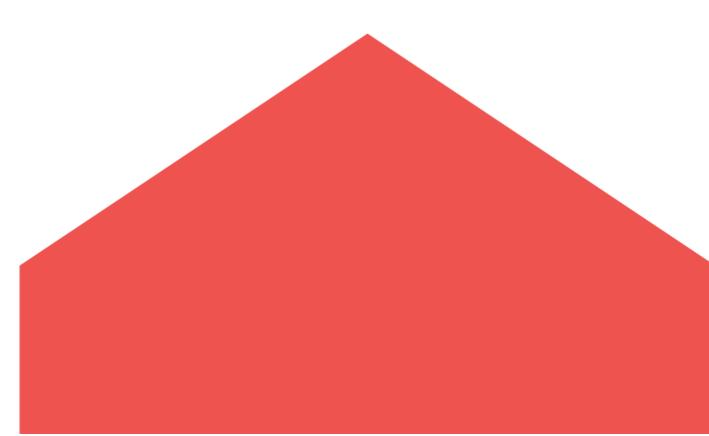
 Rubber from aircraft tires

 Calcium deposits

 Glycol

 Paint spray, Splashing from night,  
Daily marking

 Salt



# System Overview

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The system is composed of three sub-systems:

- The SoDICE machine
- A trailer (optional)
- A compressor (optional)

Depending on the customer's choice, we can offer the following configurations:

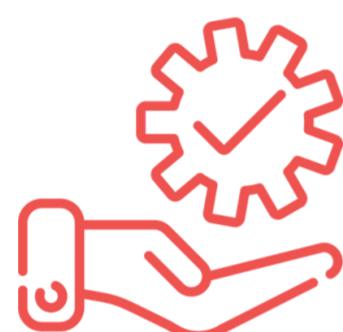
- SoDICE machine alone. The client provides the vehicle and one towed compressor
- SoDICE machine with a compressor on wheels installed inside the customer's or FB Technology's supplied vehicle
- SoDICE machine and the compressor on a trailer

In all cases above, the SoDICE machine can either be kept **in the vehicle** or **on the trailer** or placed on the runways/taxiways by the operator to be closer to the AGL lights that have to be cleaned.



# THE ADVANTAGES

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Environmental  
friendly



Easy to use  
& to store



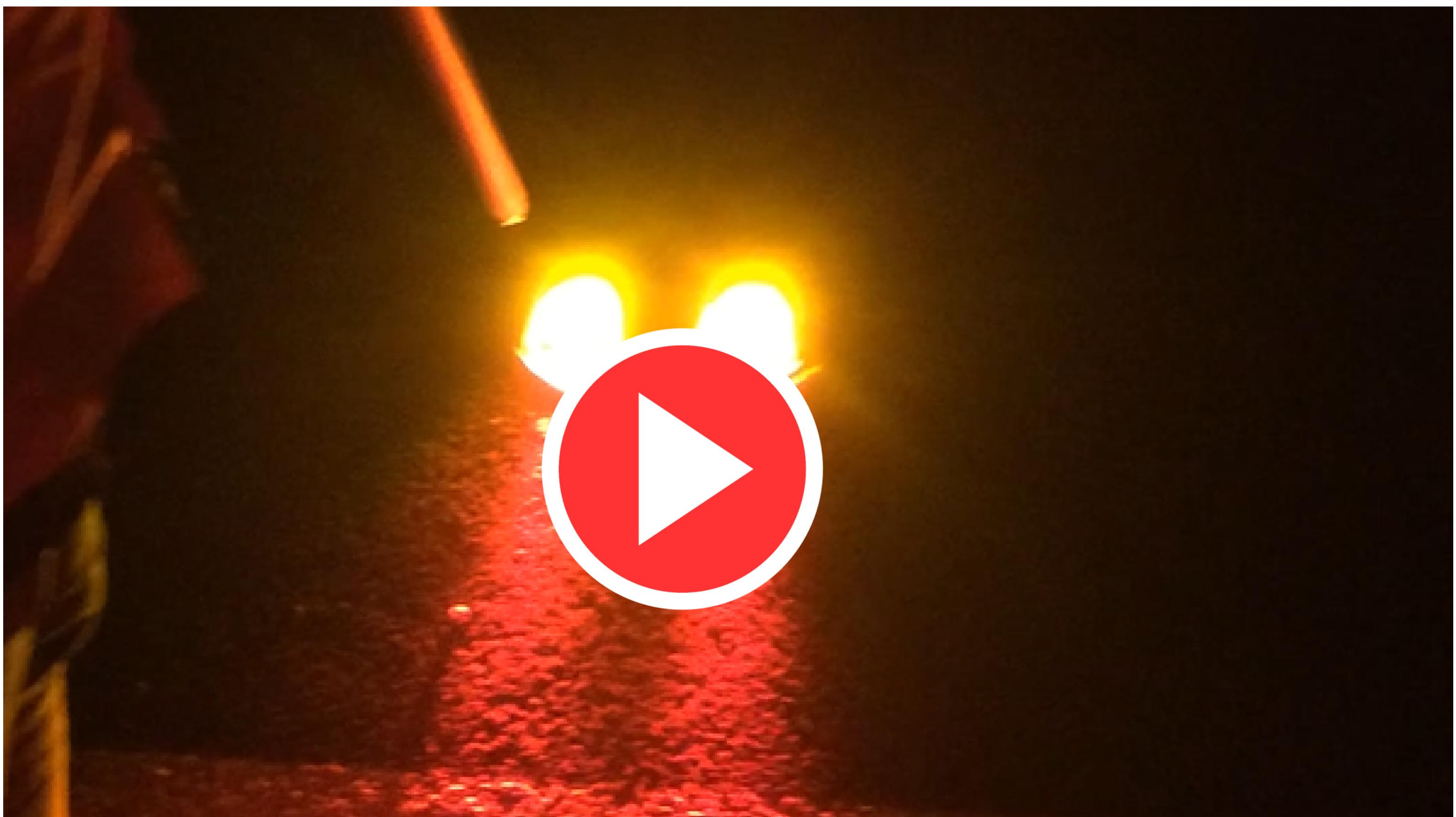
Time effective



Cleaning of inset &  
elevated lights

# Check the video of SoDICE

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## How it works ?

The operator manipulates an arm fitted with pressure compressed-air injector. The operation is carried on by using a push button installed on the projecting gun. The pipe provided is 10 meters long.

The cleaning operation is done by projecting a mix of air & soda or vegetal powder on the light prism. The operation causes no damage to the prism & does not pollute the environment, neither attracting nor favouring development of the fauna surrounding the platforms (rodents, birds, etc.) Only few grams of powder are left on the runways or taxiways.



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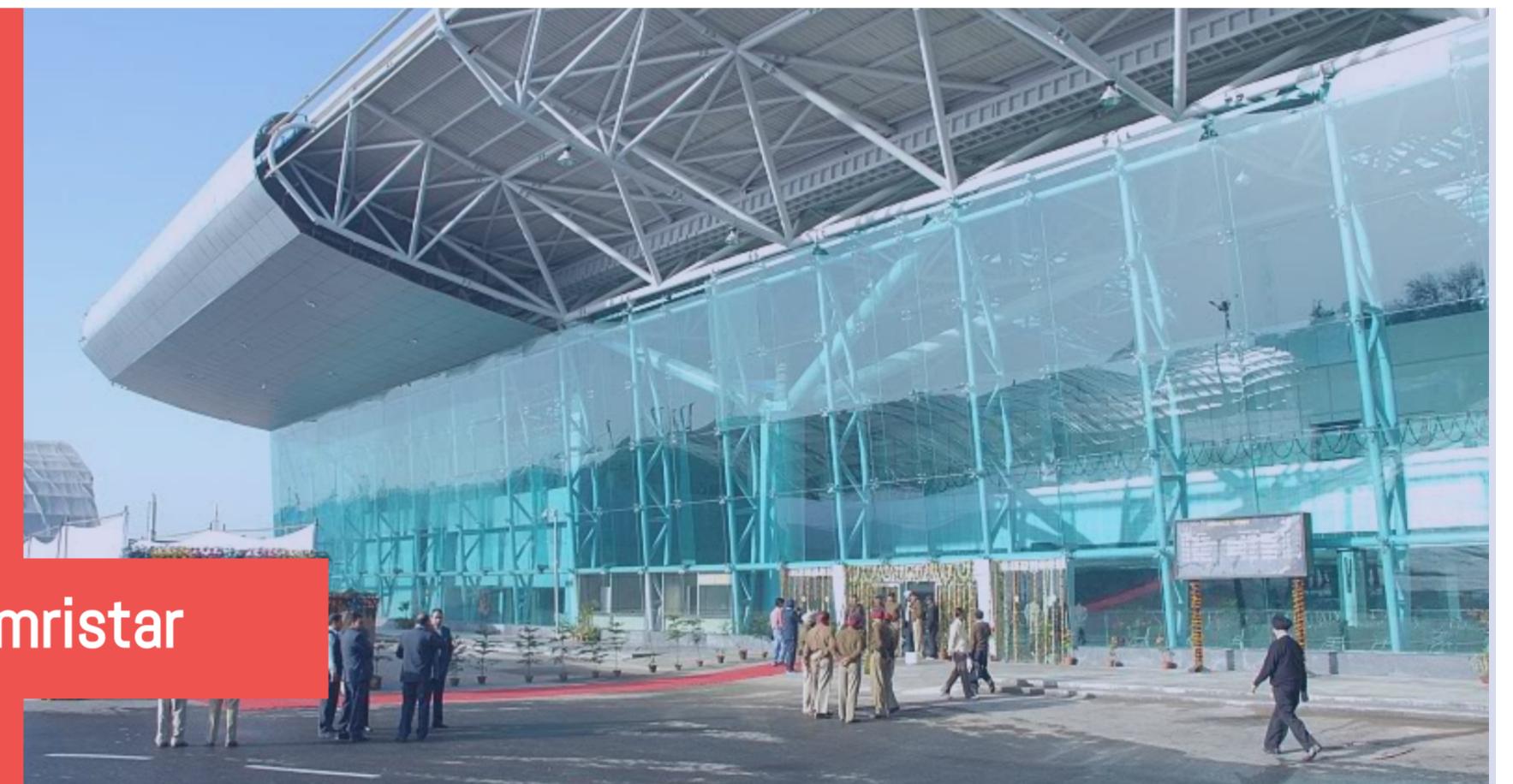


# THEY USE OUR SODICE

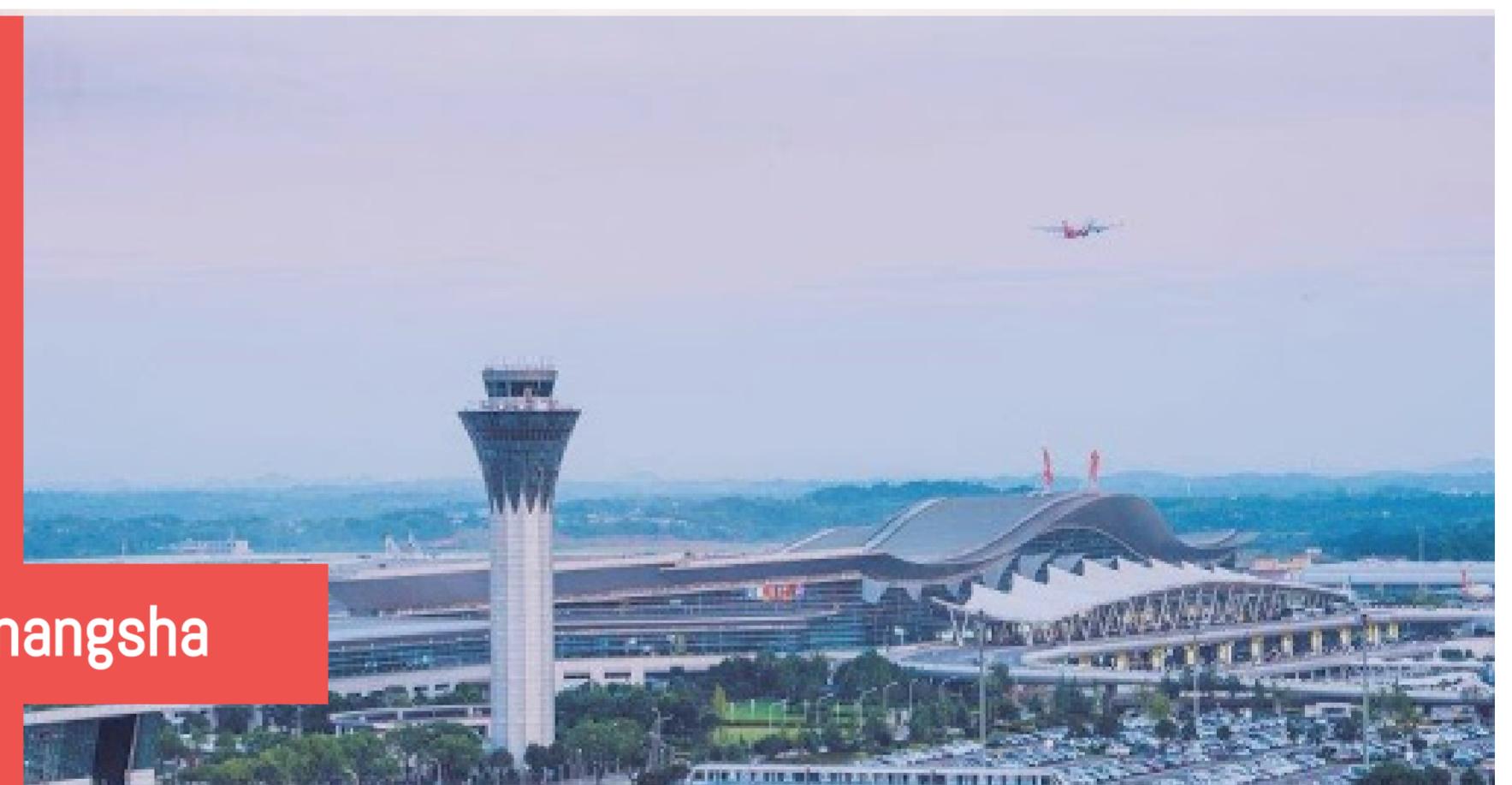
Switzerland, Geneva



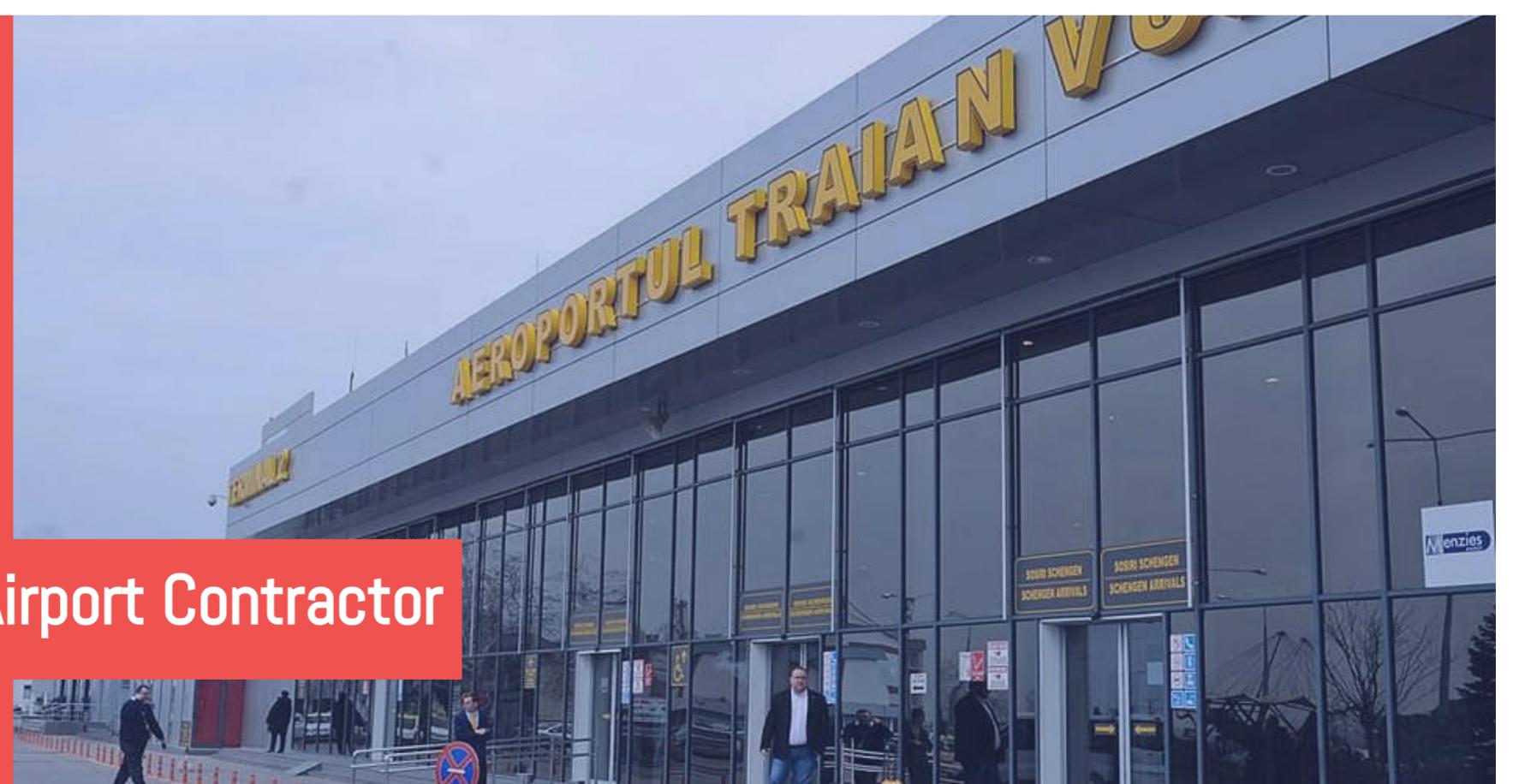
India, Amritsar



China, Changsha



Romanian Airport Contractor



# Other Products

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## MARC ONE

Autonomous robot for photometry & maintenance

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## PAC π

PAPI lights measurement system

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## PAXIGN

Chromatic & luminance signs measurement

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## PAC<sup>2</sup> V5

Bi-directional measurement of airfield lights

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## PAC APRON

Measure the lux values of the apron floodlighting

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# FB Technology

*SoDICE - Brochure*



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