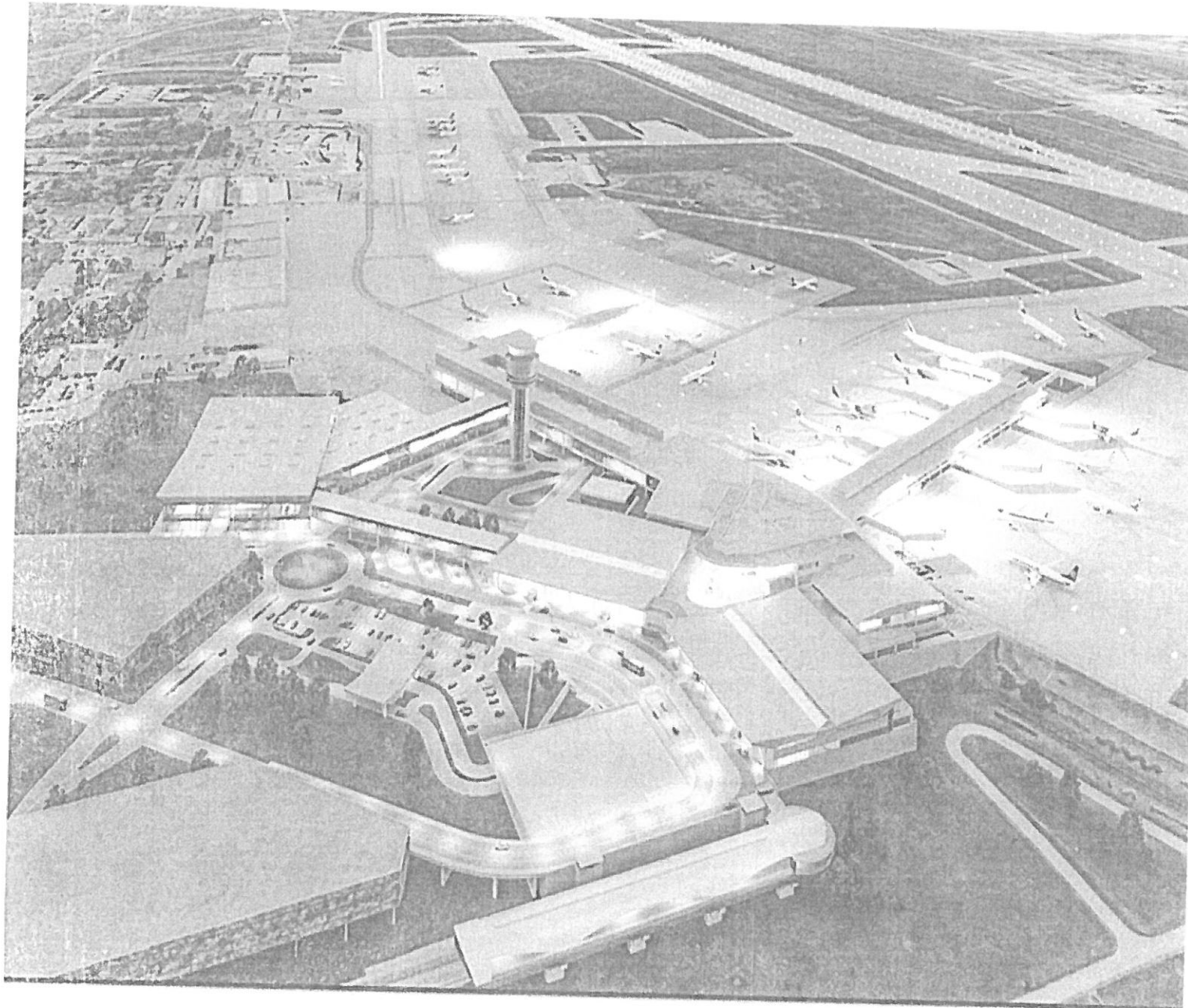


TENDER SPECIFICATION

PASSENGER BOARDING BRIDGES

REFURBISHMENT AND RELOCATION



March 29th 2022

Status: 1st edition – 01

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INTRODUCTION

This document describes the refurbishment of the passenger boarding bridges that SOF Connect is tendering at Sofia International Airport.

The Passenger Boarding Bridges are PTT 210/350-2C model and they were installed in 2006. In 2011 during a severe storm PBB No. 2 got twisted and fell down and this made it inoperable. It was therefore impossible to repair and got canceled. The remaining PBBs need to be refurbished.

This includes relocation plus refurbishment of PBB No. 10 on the position of PBB No. 2 and replacement of items for all PBBs.

The owner of this project and Client is SOF Connect, the Employer.

SCOPE OF PROJECT

As part of its investment program SOF Connect seeks to refurbish/renovate in stages all the Passenger Boarding Bridges (PBB) currently in operation

The objectives of this project are:

1. Replacing of the non-functioning PBB No. 2 with PBB No. 10, as there is no contact stand planned in place of PBB No. 10.
2. Due to amortization and depreciation of all PBBs it is necessary to refurbish/repair and modernize them in stages.

The project shall include:

- Relocation of PBB No. 10 to the stand of PBB No. 2
- Refurbishment for PBB No. 10
- Replacement of items for the other 6 PBBs

The following tasks need to be done by the contractor:

1. Disassembling PBB No. 10
 - 1.1. PBB dismantling
 - 1.2. Relocating to Stand No. 2
 - 1.3. Mechanical Erection in Stand No. 2
2. Disassembling PBB No. 2
 - 2.1. PBB dismantling
 - 2.2. Evacuating the PBB to proper waste depot for recycling outside the airport.
3. Refurbishment of PBB No. 10
 - 3.1. Cable Chain
 - 3.2. Control System Replacement

3.3. Splits (HVAC) replacement in the cabin and rotunda

3.4. Extension and height sensors with the following components:

- Laser sensors analog-digital
- Mounting bracket
- New Reflector
- Tray mounting plates

3.5. Aircraft detection sensors

- Photocell proximity sensor
- Ultrasounds proximity sensor
- Mounting bracket

3.6. New encoders for the Boogie, Cabin and Rotunda

3.7. Up to 6 Chain cables need to be replaced

4. Replacement of items for all 6 PBBs

4.1. Elevation Motor

4.2. Contactless System

4.3. Canopies

5. Operation and Maintenance Training

5.1. Need to be performed after point No. 3 is done

6. Position three (3.2) to include control system refurbishment

6.1. Control system

6.1.1. Touch screen with integrated CCTV image and with the following characteristics:

- Touchable display
- 1280x800 resolution
- USB communication or else
- Web server functionalities
- Applications download and alarms historical recovery

6.1.2. New Programmable Logic Controller

6.1.3. New Software with the following indicators:

- Presence for the type of the aircraft
- At least two or more driving modes
- Pre-positioned mode

- Directions indicator
- CCTV screening
- Maintenance screening
- Monitoring for the inputs and outputs
- Screening for the auto-levelling

Note: Due to the low temperatures that can be reached during the winter period at Sofia International Airport, the system must be designed by taking the following requirements under consideration:

- In the Control Cabinet there must be a Temperature Control
- The cabling must be able to withstand temperatures of -30°C
- Underfloor heating and heated window
- Magnetization of traction motors

TENDER – MINIMUM REQUIREMENTS

Note:

- The contractor shall appoint a person or a team to strictly execute the specified tasks.
- Upon the execution of the works, the contractor shall carry out an inspection of the improvements performed by him.
- The payment will be made 30 days after the invoice is submitted.
- Passes for access to the critical area are at the contractor's expense.
- The construction machinery and the lifting crane shall be at the contractor's expense.
- The contractor is responsible for the Health and Safety of his/her own personnel
- Contractor's personnel shall follow all and every instruction from Sofia Airports Security and Safety representatives.
- All testing and commissioning to be verified by a protocol.

COMMERCIAL OFFER TO INCLUDE

- Company registration
- Company revenues over the past 5 years
- List of Company references for PBB projects over the last 5 year. (Preference is given to those who are for relocation and refurbishment of PBBs)
- Letters of testimony of Client satisfaction for PBBs services. (installation, refurbishment, maintenance and etc.)

KEY EXPERIENCE

- List of projects for PBBs (installation, refurbishment, maintenance and etc.) at international airports. (Preference is given to those from Eastern Europe or the Balkans)

PROJECT STAFFING

- Qualification and Certification of key personnel who will be assigned to the project to be provided.

APPENDIX 1 – GENERAL LAYOUT OF TERMINAL 2 APRON



