

QUOTE

Q

ALLEN ENTERPRISES. INC.
 Airport Lighting Equipment Sales & Service
 5659 Commerce Drive, Suite 100
 Orlando, FL 32839-2969
 Phone (407) 857-6778

Customer: S1380

Quote Number: 0058463

BILL TO:

SAVANNAH AIRPORT COMM.
 400 AIRWAYS AVENUE
 SAVANNAH, GA 31408

SHIP TO:

1

SAVANNAH AIRPORT COMM.
 PURCHASING DEPARTMENT
 640 GULFSTREAM RD
 SAVANNAH, GA 31408

Print Date/Quote Date	Ship Via	FOB	Terms
09/04/2020	BEST WAY	ORIGIN PPD&ADD	Net 30
09/04/2020		SP: 0003 KM ALLEN ENTERPRISES	

QTY QUOTED	ITEM	DESCRIPTION	UNIT PRICE	AMOUNT
1.00	ALCS UPGRADE	ALCS COMPUTER UPGRADE	29,959.75	29,959.75
		SOUTH VAULT UPGRADE SEE ATTACHED SOW		

Valid for 30 days

Net:	29,959.75
(Estimated or TBD) Freight:	0.00
Sales Tax: NONTAX	0.00
Total	29,959.75



Proposal Information	
Project Number:	C-SSAV019001
Estimated By:	Adam Zurmehly
Quote Revision:	1: 8/6/2019 2:03:00 PM
Airport:	Savannah Hilton Head International Airport
Project Description:	South Vault Upgrade



This quote is valid for 90 days from quote date and will be re-quoted if expired

Company Confidential Information.

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1. Terms and Conditions

Herein is the project proposal which describes ADB Safegate's interpretation of the work to be completed according to requirements gathered from available specifications, drawings and addendums received at the time of the quote date. Included is the preliminary scope statement, equipment list, block diagram, preliminary schedule, risk analysis and support service responsibilities of ADB Safegate and the installing Contractor.

2. References and Applicable Documents

This Quote information is based on the following applicable documents received as of the indicated quote date. Any changes / addendums that may result in changes to scope of this project will require a change order request.

Reference	Details
Email / Phone Conversations	Email per Bob Welter 8/5/2019

Table 1: References and Applicable Documents

3. Project Scope Statement

The purpose of this project is to update the existing South Vault node of the Airfield Lighting Control and Monitoring System (ALCMS) at Savannah Hilton Head International Airport (SAV). The scope includes:

- Dual Computers
- 19" LCD Monitor
- Keyboard/Mouse
- Scope includes onsite commissioning of hardware
- The upgrade will use the existing South Vault enclosure

4. Scope of Support Services

4.1 Submittal Phase

Technical written and electrical/mechanical Submittal drawings will be delivered within four (4) weeks from receipt of Purchase Order. Equipment will not be released to production until ADB Safegate receives written hard-copy of approved Submittals including written technical proposal and electrical/mechanical drawings. Approved Submittals are ADB Safegate's only indication that the system design is correct and provides ADB Safegate authorization to begin procuring equipment.

4.2 Factory Acceptance Test [FAT]

An un-witnessed Factory Acceptance Test will be performed in-house by ADB Safegate Personnel prior to shipment. FAT Test Reports will be available upon customer request.

4.3 On Site Commissioning and System Acceptance Test [SAT]

ADB Safegate will complete onsite commission and system readiness checks. A witnessed System Acceptance Test will be performed on site by ADB Safegate Personnel to be witnessed by airport owner/owner representative and contractor. Copies of the SAT Reports can be provided upon request.

4.4 Scope Overview Training

Training will be completed during commissioning trip by commissioning engineer personnel. Training will be done at the airfield lighting vault using the ALCMS equipment.

5. Proposed Project Hardware and Materials

5.1 Project Hardware and Materials List Accuracy

The project equipment list (Bill-of-Material) contained within this proposal is considered complete. ADB Safegate is not liable for any shortage, losses, or damages resulting from any discrepancies, omissions, or errors. This proposal consists of ADB Safegate's best interpretation of the bid documents, plans or specifications available to ADB Safegate at time of quote date. The recipient of this proposal is responsible for the accuracy of this RFQ and is required to immediately inform ADB Safegate of any discrepancies.

Item Description	Quantity
South Vault Equipment	
ARISTA INDUSTRIAL COMPUTER WINDOWS 10	2
KEYBOARD PC-AT 101 KEYS 16.5"	1
MOUSE, OPTICAL, USB & PS2	1
CAT 6 ETHERNET CABLE 10 FT	4
19" LCD, MONITOR, WITH NO TOUCHSCREEN, DESKTOP	1
Power Supply, Phoenix Contact, 10A, 24VDC, QUINT-PS/1AC/24DC/10	1
19 INCH RACK MOUNT DIN RAIL BRKT, ADJUST	2
DB9 CONNECTOR FOR ACE COM WIN 32 FEMALE	4

6. Project Critical Milestones and Delivery

The project will be managed with the following milestones involved in the design, production, testing, commissioning, and training for this project.

ID	Milestone	Description
M1	Submittal	Written Proposal / Drawings submitted to customer for review/approval
M2	Submittal Approval	Submittal reviewed by the customer and approved for release
M3	Production Release	Equipment is released for procurement
M4	Factory Acceptance Testing	Factory Acceptance Testing (FAT) is completed by project team at ADB Safegate
M5	Shipment	System is shipped to installation site
M6	Contractor Installation	Contractor installs equipment, external wiring and completed install checklist
M7	Commissioning	ADB Safegate commissioning team inspects installation, complete commissioning and performs Operational Readiness Test
M8	System Acceptance Testing	System Acceptance Testing (SAT) is witnessed by airport/owner and/or engineer
M9	Training and Completion	System is accepted and signed off in writing by the airport/owner

Table 2 Project Critical Milestones

6.1 Delivery Schedule and Contingencies

Equipment will not be released for purchasing or production until receipt of written approval of Submittals including written technical proposal and electrical/mechanical drawings. This means delivery date of equipment is contingent on length of **Submittal Approval Phase (M2)**.

Shipment schedule will be confirmed upon ADB Safegate's receipt of approved written Submittals and/or drawing package.

7. Invoicing

ADB Safegate will invoice for completed work based on schedule milestone completion as follows:

ID	Invoice Milestone	Description
M1	Submittal	Upon submission of the proposal/drawings, ADB Safegate will invoice
M5	Shipment	Equipment will be invoiced when shipped
M8	Commissioning	Upon completion of commissioning responsibilities, ADB Safegate will invoice for commissioning. If multi-phase commissioning is required, ADB Safegate will invoice for each commissioning phase/trip.

Table 3 Invoicing Schedule

8. ADB Safegate Responsibilities

Unless otherwise indicated in an additional Request For Quote (RFQ) from the contractor, ADB Safegate's project team will provide the following services as required for the project described herein:

- Coordinate and plan with Contractor schedule for system commissioning. Coordinate date for switchover to **new system pending completion of Contractor's responsibilities**
- Complete the commissioning of the control and monitoring system comprising of:
 - Confirm proper location and installation of distributed control equipment / PLC equipment
 - Power up and test distributed control / PLC equipment
 - **Inspect Contractor's communication installation (fiber optics, hard-wire or wireless)**
 - Power up and test control system communication lines.
- Perform operational readiness test (ORT) to demonstrate proper operation prior to system switchover.
- Make any hardware/software changes that are contractual requirements within scope
- Perform final System Acceptance Test (SAT) with owner/owner representative and contractor
- Resolve any punchlist items that are contractual requirements within scope
- Record owner/owner representative system acceptance and provide formal SAT record upon request
- Provide required sets of As-Built drawings
- Pack up and ship service tools and extra commissioning material

9. Contractor Responsibilities

Unless otherwise indicated in an additional Request For Quote (RFQ) from the contractor, the Contractor is responsible for the following services as required for the project described herein:

- Provide manpower and airport escorts as needed through entire installation, commissioning and testing effort.
- **Install all distributed control (ACE™) units in appropriate locations.**
- Install all required conduit, wireway, wire and miscellaneous material needed for a proper installation that meets all contract requirements regarding code and safety.
- **Make terminations for all ACE™ units.** Terminations include landing, labeling and dressing all wire connections within the ACE™ unit / PLC equipment, inside the Constant Current Regulator (CCR) and any other equipment being controlled or monitored by the control system.
- Install all monitoring equipment including Current Voltage Modules (CVM), Insulation Resistance Modules (IRM), Current Sensing Relays in each corresponding CCR or circuit selector switch equipment.
- Install all high voltage and low voltage wiring and complete terminations between the CVM / IRM / CSR the CCR or Circuit Selector and the ACE™ units.
- Provide input power for all ACE™ units, PLC cabinets, computer cabinets, computers, printers, UPS's, etc.
- Provide proper grounding for all ACE™ units.
- Complete all airfield work such that all CCR loads are in their final configuration and circuits are fully operational (all lamps burning).
- Coordinate and provide manpower for completion of System Acceptance Testing (SAT) assuring appropriate personnel are present to witness and authorize the test report.
- Complete punchlist items within project requirements
- Provide project sign-off upon completion of all project equipment