



PORT ST. LUCIE
UTILITY SYSTEMS DEPARTMENT
900 SE Ogden Lane
Port S Lucie, FL 34983
(772) 873-6400
utility.cityofpsl.com

Kevin R. Matyjaszek, Director

MEMORANDUM

TO: RUSS BLACKBURN, CITY MANAGER
THRU: JESUS MEREJO, CHIEF ASSISTANT CITY MANAGER *JM*
FROM: KEVIN R. MATYJASZEK, UTILITY SYSTEMS DIRECTOR *KM*
SUBJECT: EMERGENCY PURCHASE FOR PLC UPGRADES – PRINEVILLE RO
DATE: MARCH 25, 2022

The Utility Systems Department ("USD") sought to have upgraded and replaced the quantum Programmable Logic Controller ("PLC") at the Prineville Water Treatment Facility as the PLC's have lasted beyond their useful life. The COVID-19 pandemic has created shortages in the supply chain, making it a challenge to purchase certain items required to continue to operate the Reverse Osmosis ("RO") plant at its current capacity. The USD sought to "piggyback" the terms of a competitively bid contract with the City of Sunrise, however, the terms of that agreement were not favorable, therefore, the USD sought three quotes to make the requisite upgrades. C.C. Control Corp provided the lowest bid for the requisite services. Currently, Kimley-Horn is evaluating and mapping all four plants to provide locations and detail to upgrade the systems, however, Prineville is currently at the highest risk of failure. Should the system fail, the USD lacks the requisite parts to make repairs and the plant would be unable to meet current demands. Therefore, the USD requests approval to proceed with C.C. Control Corp. for the estimated cost of \$117,300 from Account #438-3310-563000.

Section 35.04(c) of the City's code of ordinances authorizes a waiver of the provisions of the requirement to competitively bid certain purchases if, for good cause shown and upon written recommendation by the City Manager, the City Council, by affirmative vote, authorizes the purchase of goods, supplies, materials or services without competitive bid.

The City's Purchasing Policy and Procedures Manual defines an Emergency Purchase as follows:

A purchase made without following the normal purchasing procedures in order to obtain goods or services quickly to meet an urgent and unexpected requirement where health and public safety or the conservation of public resources is at risk. The City Manager shall have the authority to make emergency purchases of not more than the current formal bid threshold without competitive bids, provided that

all such purchases shall be reported to the City Council at its next regularly scheduled meeting.

If approved, the USD will coordinate with Procurement and the City Attorney to arrange for the City Council to consider this item at the April 11, 2022 Regular City Council meeting. If you have any questions or require additional information, please contact me.

Enclosure.

C (via email): Robyn Holder, Manager, Procurement Management Division
 Elizabeth Hertz, Senior Deputy City Attorney
 John Eason, Assistant Director, Utility Systems Department
 Daniel Segui, Assistant Director, Utility Systems Department

approved
[Signature]
3-28-2022



City of Port St. Lucie Utility Systems Department Warehouse Special Request Form

K. Metzger 2022.02.15
08:54:37 -05'00'

To: Utility Warehouse

W/O# _____

From: Bryan Hirsch
(print name)

BHA 2-15-2022
(sign name)

Department Head or Supervisor

Date: 2/15/2022

Cost Center Charged: 438-3310-563000

Please be advised that Jamie Franklin, of Electrical/Scada Division is authorized to order the materials listed below. If materials requested are non-stock items, please attach the vendor information (include address, phone number and contact person), all quotations and specify reason for need.

Reason: Replacement and reprogramming of all legacy Quantum PLC's and associated I/O cards for the Prineville RO Plant with M340 PLCs.

Vendor Information (Name, Address, Phone & Fax #): C.C. Control Corp.
5760 Corporate Way, Suite 100 West Palm Beach, FL 33407
Phone: 561-293-3975

DOES VENDOR TAKE VISA Yes No Credit Card Used: _____

Part/Catalog #	Quantity	Description	Unit Price	Account Code	Account Balance
	1	See Attached Breakdown	\$117,300	438-3310-563000	
		for all services included in			
		PLC change out.			

NOTE: If cost of item(s) is \$5,000 or over, then please attach 3 quotes. If not possible to obtain 3 quotes, then explain why:
3 Quotes attached

If a capital item, (\$5,000 or over per item) was the item(s) above approved in your capital budget for this fiscal year?
Yes No If not, then please explain:
Take funds from Ro Plant High Service Pump Replacement and Security Camera Upgrade



C. C. CONTROL CORP.

5760 CORPORATE WAY, SUITE 100
WEST PALM BEACH, FLORIDA 33407

PHONE: 561 293-3975
FAX: 561 293-3976

CUSTOMER: CITY OF PORT SAINT LUCIE

ATTN: JAMIE FRANKLIN

PROJECT: PRINEVILLE WTP PLC UPGRADES - 2022
CITY OF PORT SAINT LUCIE

DATE: 2/11/2022

VALID FROM: 2/11/2022

VALID TO: 4/12/2022

DESCRIPTION	QUAN	UNIT PRICE	AMOUNT
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C. C. CONTROL CORP. PROPOSES TO FURNISH THE FOLLOWING COMPLETE WITH EXCEPTIONS AS LISTED:

EXCEPTIONS:

- A) QUOTE DOES NOT INCLUDE CONDUIT SYSTEM
- B) QUOTE DOES NOT INCLUDE FIELD-SIDE WIRE/CABLE
- C) QUOTE DOES NOT INCLUDE ANY PANEL MTG. RACKS
- D) QUOTE DOES NOT INCLUDE JUNCTION OR TERMINATION BOXES
- E) QUOTE DOES NOT INCLUDE ANY COMPUTERS OR NETWORK HARDWARE
- F) QUOTE DOES NOT INCLUDE ANY PLC PROGRAMMING SOFTWARE LICENSING
- G) QUOTE DOES NOT INCLUDE ANY SCADA/HMI SOFTWARE LICENSING
- H) QUOTE DOES NOT INCLUDE ANY SCADA/HMI PROGRAMMING

NOTE: EXISTING PLC PROGRAMS TO BE CONVERTED USING UNITY SOFTWARE CONVERTER PRIOR TO DOWNLOAD TO NEW M340 PROCESSORS. EXISTING PLC PROGRAM STRUCTURE AND PROGRAM COMMENTS AFTER PROGRAM CONVERSION WILL NOT BE MODIFIED.

ITEM NO.1

MODIFICATIONS TO EXISTING PLC CONTROL PANEL 'PLC-1'

'PLC-1' RACK NO.1

MODICON BMXXBP1200 12-SLOT RACK	1
MODICON BMXCPS3500 POWER SUPPLY MODULE X80 - 100..240 V AC - 36 W	1
MODICON M340 BMXP342020 PROCESSOR	1
MODICON BMXDAI1604 DISCRETE INPUT MODULE M340 - 16 INPUTS - 100..120 V AC	6
MODICON BMXDRA1605 DISCRETE OUTPUT MODULE X80 - 16 OUTPUTS - RELAY - 24 VDC OR 24..240 VAC	1
MODICON BMXDAO1615 DISCRETE OUTPUT X80 - 16 CHANNEL ISOLATED TRIAC - 24..240 V AC	2
MODICON BMXAMI0810 ANALOG INPUT MODULE X80 - 8 INPUTS - CURRENT/VOLTAGE ISOLATED	2
MODICON BMXFTB2010 20-WAY REMOVABLE SCREW CLAMP TERMINAL BLOCK - 1 OR 2 X 0.34..1.5 MM2	11
MODICON M340 BMXXBE1000 BACKPLANE EXPANDER FOR MULTIRACKS CONFIGURATION	1
MODICON M340 BMXXBC008K AUTOMATION PLATFORM, BACKPLANE EXTENSION CABLE 0.8 M	1
MODICON TSXTLYEX LINE TERMINATOR - FOR RACK END - SET OF 2	1

'PLC-1' RACK NO.2

MODICON BMXXBP0800 8-SLOT RACK	1
MODICON BMXCPS3500 POWER SUPPLY MODULE X80 - 100..240 V AC - 36 W	1
MODICON BMXAMI0810 ANALOG INPUT MODULE X80 - 8 INPUTS - CURRENT/VOLTAGE ISOLATED	6
MODICON BMXAMO0410 ANALOG OUTPUT MODULE X80 - 4 OUTPUTS - CURRENT/VOLTAGE ISOLATED	2
MODICON BMXFTB2010 20-WAY REMOVABLE SCREW CLAMP TERMINAL BLOCK - 1 OR 2 X 0.34..1.5 MM2	8
MODICON M340 BMXXBE1000 BACKPLANE EXPANDER FOR MULTIRACKS CONFIGURATION	1
MODICON M340 BMXXBC008K AUTOMATION PLATFORM, BACKPLANE EXTENSION CABLE 0.8 M	1

'PLC-1' RACK NO.2

MODICON BMXXBP0800 8-SLOT RACK	1
MODICON BMXCPS3500 POWER SUPPLY MODULE X80 - 100..240 V AC - 36 W	1
MODICON BMXAMO0410 ANALOG OUTPUT MODULE X80 - 4 OUTPUTS - CURRENT/VOLTAGE ISOLATED	6
MODICON BMXFTB2010 20-WAY REMOVABLE SCREW CLAMP TERMINAL BLOCK - 1 OR 2 X 0.34..1.5 MM2	6

MODICON BMXXEM010 PROTECTIVE COVER FOR UNOCCUPIED SLOT 2
 MODICON M340 BMXXBE1000 BACKPLANE EXPANDER FOR MULTIRACKS CONFIGURATION 1

ITEM NO.2

MODIFICATIONS TO EXISTING PLC CONTROL PANEL 'PLC-2'

'PLC-2' RACK NO.1

MODICON BMXXBP1200 12-SLOT RACK 1
 MODICON BMXCPS3500 POWER SUPPLY MODULE X80 - 100..240 V AC - 36 W 1
 MODICON M340 BMXP342020 PROCESSOR 1
 MODICON BMXDAI1604 DISCRETE INPUT MODULE M340 - 16 INPUTS - 100..120 V AC 7
 MODICON BMXDAO1615 DISCRETE OUTPUT X80 - 16 CHANNEL ISOLATED TRIAC - 24..240 V AC 2
 MODICON BMXAMI0810 ANALOG INPUT MODULE X80 - 8 INPUTS - CURRENT/VOLTAGE ISOLATED 2
 MODICON BMXFTB2010 20-WAY REMOVABLE SCREW CLAMP TERMINAL BLOCK - 1 OR 2 X 0.34..1.5 MM2 11
 MODICON M340 BMXXBE1000 BACKPLANE EXPANDER FOR MULTIRACKS CONFIGURATION 1
 MODICON M340 BMXXBC008K AUTOMATION PLATFORM, BACKPLANE EXTENSION CABLE 0.8 M 1
 MODICON TSXTLYEX LINE TERMINATOR - FOR RACK END - SET OF 2 1

'PLC-2' RACK NO.2

MODICON BMXXBP0800 8-SLOT RACK 1
 MODICON BMXCPS3500 POWER SUPPLY MODULE X80 - 100..240 V AC - 36 W 1
 MODICON BMXAMI0810 ANALOG INPUT MODULE X80 - 8 INPUTS - CURRENT/VOLTAGE ISOLATED 2
 MODICON BMXDAI1604 DISCRETE INPUT MODULE M340 - 16 INPUTS - 100..120 V AC 3
 MODICON BMXDRA1605 DISCRETE OUTPUT MODULE X80 - 16 OUTPUTS - RELAY - 24 VDC OR 24...240 VAC 3
 MODICON BMXFTB2010 20-WAY REMOVABLE SCREW CLAMP TERMINAL BLOCK - 1 OR 2 X 0.34..1.5 MM2 8
 MODICON M340 BMXXBE1000 BACKPLANE EXPANDER FOR MULTIRACKS CONFIGURATION 1
 MODICON M340 BMXXBC008K AUTOMATION PLATFORM, BACKPLANE EXTENSION CABLE 0.8 M 1

'PLC-2' RACK NO.3

MODICON BMXXBP0800 8-SLOT RACK 1
 MODICON BMXCPS3500 POWER SUPPLY MODULE X80 - 100..240 V AC - 36 W 1
 MODICON BMXAMO0410 ANALOG OUTPUT MODULE X80 - 4 OUTPUTS - CURRENT/VOLTAGE ISOLATED 2
 MODICON BMXDDI1602 X80 DISCRETE INPUT MODULE - 16 INPUTS - 24VDC 1
 MODICON BMXAMI0810 ANALOG INPUT MODULE X80 - 8 INPUTS - CURRENT/VOLTAGE ISOLATED 1
 MODICON BMXFTB2010 20-WAY REMOVABLE SCREW CLAMP TERMINAL BLOCK - 1 OR 2 X 0.34..1.5 MM2 4
 MODICON BMXXEM010 PROTECTIVE COVER FOR UNOCCUPIED SLOT 4
 MODICON M340 BMXXBE1000 BACKPLANE EXPANDER FOR MULTIRACKS CONFIGURATION 1

ITEM NO.3

MODIFICATIONS TO EXISTING PLC CONTROL PANEL 'PLC-3'

MODICON BMXXBP1200 12-SLOT RACK 1
 MODICON BMXCPS3500 POWER SUPPLY MODULE X80 - 100..240 V AC - 36 W 1
 MODICON M340 BMXP342020 PROCESSOR 1
 MODICON BMXDAI1604 DISCRETE INPUT MODULE M340 - 16 INPUTS - 100..120 V AC 3
 MODICON BMXDAO1615 DISCRETE OUTPUT X80 - 16 CHANNEL ISOLATED TRIAC - 24..240 V AC 1
 MODICON BMXAMI0810 ANALOG INPUT MODULE X80 - 8 INPUTS - CURRENT/VOLTAGE ISOLATED 3
 MODICON BMXAMO0410 ANALOG OUTPUT MODULE X80 - 4 OUTPUTS - CURRENT/VOLTAGE ISOLATED 3
 MODICON BMXFTB2010 20-WAY REMOVABLE SCREW CLAMP TERMINAL BLOCK - 1 OR 2 X 0.34..1.5 MM2 10
 MODICON BMXXEM010 PROTECTIVE COVER FOR UNOCCUPIED SLOT 1

ITEM NO.4

MODIFICATIONS TO EXISTING PLC CONTROL PANEL 'PLC-4'

MODICON BMXXBP1200 12-SLOT RACK 1
 MODICON BMXCPS3500 POWER SUPPLY MODULE X80 - 100..240 V AC - 36 W 1
 MODICON M340 BMXP342020 PROCESSOR 1
 MODICON BMXDAI1604 DISCRETE INPUT MODULE M340 - 16 INPUTS - 100..120 V AC 2
 MODICON BMXDRA1605 DISCRETE OUTPUT MODULE X80 - 16 OUTPUTS - RELAY - 24 VDC OR 24...240 VAC 1
 MODICON BMXAMI0810 ANALOG INPUT MODULE X80 - 8 INPUTS - CURRENT/VOLTAGE ISOLATED 4
 MODICON BMXAMO0410 ANALOG OUTPUT MODULE X80 - 4 OUTPUTS - CURRENT/VOLTAGE ISOLATED 2
 MODICON BMXFTB2010 20-WAY REMOVABLE SCREW CLAMP TERMINAL BLOCK - 1 OR 2 X 0.34..1.5 MM2 9
 MODICON BMXXEM010 PROTECTIVE COVER FOR UNOCCUPIED SLOT 2

ITEM NO.5

PROJECT SERVICES

ENGINEERING LOT
 SUBMITTALS LOT
 PLC PROGRAMMING LOT
 START-UP LOT
 O & M MANUALS LOT
 WARRANTY, 1-YEAR LOT

SUMMARY

ITEM NO.1 PLC CONTROL PANEL 'PLC-1' - MATERIALS 1 \$18,400.00 \$18,400.00
 ITEM NO.2 PLC CONTROL PANEL 'PLC-2' - MATERIALS 1 \$15,300.00 \$15,300.00

ITEM NO.3	PLC CONTROL PANEL 'PLC-3' - MATERIALS	1	\$7,700.00	\$7,700.00
ITEM NO.4	PLC CONTROL PANEL 'PLC-4' - MATERIALS	1	\$7,300.00	\$7,300.00
ITEM NO.5	PROJECT SERVICES	1	\$68,600.00	\$68,600.00

TOTAL SELL:

**\$117,300.00 + TAX
IF APPLICABLE**

SUBMITTALS 8-10 WEEKS
AFTER RECEIPT OF PURCHASE ORDER
FOB: JOB SITE
DEL: 14-16 WEEKS
AFTER APPROVED DRAWINGS
TERMS: NET 30 DAYS
(SUBJECT TO CREDIT APPROVAL)

WARRANTY: ALL WARRANTIES SHALL EXPIRE ONE (1) YEAR FROM DATE OF START-UP
FROM SELLER TO BUYER UNLESS SPECIALLY INDICATED OTHERWISE AND
WILL BE NULL AND VOID UNLESS MATERIALS ARE STORED UNDER PROPER
CONDITIONS DETERMINED BY C.C. CONTROL CORP.

J.P. MAHIEU
JPMahieu@CCControlCorp.com



General Control Systems, Inc.
17 Corporate Circle
Albany, New York 12203
(518) 270-8045 Fax(518) 270-8042



Page 1 of 3

January 31, 2022

ATTEN: Jamie Franklin

SUBJECT: **Port Saint Lucie - Prineville RO Quantum PLC Replacement Project**
PROJECT #: **GCS Scope Number Q22-3872**

Dear Mr. Franklin:

Thank you for the opportunity to quote the Prineville RO Quantum PLC Replacement Project. General Control Systems will provide the, hardware, labor, programming, and engineering services listed in the following scope of work to convert the Quantum based PLC platform located in the PLC-1, PLC-2, PLC-3, and PLC-4 control panels to the Schneider M340 platform. The City of PSL agrees to provide adequate downtime at each panel location to accomplish the conversion and that the replacement for each panel can be scheduled to occur one at a time or as mutually agreed upon in advance between GCS and PSL.

SCOPE OF WORK:

All Panels

GCS will provide the following engineering services for each PLC:

- Update the panel drawings to include the new M340 hardware platform and any changes that have been provided by PSL in the plant record drawings.
- Convert the existing PLC logic to the Unity M340 platform.
- Removal of the existing hardware and installation of the new M340 hardware.
- Testing and Startup

PLC-1 Rack 1 & 2 RO Skids 1 & 2

Qty- (2) **BMEXBP0400** 4 Slot Backplane

Qty- (2) **BMEXBP1200** 12 Slot Backplane

Qty- (4) **BMXCPS3500** Power Supply 115/240 VAC 36W

Qty- (1) **BMXP342020** M340 CPU

Qty- (1) **BMXNOE0100** M340 Ethernet Network Module

Qty- (6) **BMXDAI1614** 16 Channel Isolated 120VAC Input module

Qty- (1) **BMXDRA1605** AC/DC Relay Output Module 16CH

Qty- (2) **BMXDAO1615** 16 Channel Isolated Triac Output Module

Qty- (2) **BMXFTB4000** 40 pt. Terminal Strip, 16 Channel Triac Output Module

Qty- (8) **BMXAMI0800** Analog Input Module 8 Channel

Qty- (8) **BMXAMO0410** Analog Output Module 4 Channel

Qty- (6) **BMXFTW305** 3 Meter Flying Lead, 120VAC Input Module

Qty- (1) **BMXFTW301** 3 Meter Flying Lead, Digital Input/Output Modules

- Qty- (8) **BMXFTW308S** 3 Meter Flying Lead, 8 Channel Analog Input Modules
- Qty- (1) **BMXXBE2005** Extension Rack Kit
- Qty- (2) **BMXXBE1000** Rack Extension Module
- Qty- (2) **BMXXBC008K** Rack Extension Cable
- Qty- (8) **BMXFTW301S** 3 Meter Flying Lead, 2-4 Channel Analog Output Modules

PLC-2 Rack 1 & 2 HSP Control

- Qty- (2) **BMEXBP0400** 4 Slot Backplane
- Qty- (2) **BMEXBP1200** 12 Slot Backplane
- Qty- (4) **BMXCPS3500** Power Supply 115/240 VAC 36W
- Qty- (1) **BMXP342020** M340 CPU
- Qty- (1) **BMXNOE0100** M340 Ethernet Network Module
- Qty- (7) **BMXDAI1614** 16 Channel Isolated 120VAC Input module
- Qty- (2) **BMXDAI1604** 16 Channel 120VAC Input Module
- Qty- (1) **BMXDAI1602** 16CH 24V AC/DC Input module (10-60 VDC Input)
- Qty- (5) **BMXDRA1605** AC/DC Relay Output Module 16CH
- Qty- (5) **BMXAMI0800** Analog Input Module 8 Channel
- Qty- (2) **BMXAMO0410** Analog Output Module 4 Channel
- Qty- (7) **BMXFTW305** 3 Meter Flying Lead, 120VAC Input Module
- Qty- (9) **BMXFTW301** 3 Meter Flying Lead, Digital Input/Output Modules
- Qty- (5) **BMXFTW308S** 3 Meter Flying Lead, 8 Channel Analog Input Modules
- Qty- (1) **BMXXBE2005** Extension Rack Kit
- Qty- (2) **BMXXBE1000** Rack Extension Module
- Qty- (2) **BMXXBC008K** Rack Extension Cable

PLC-3 Chemical

- Qty- (1) **BMEXBP0400** 4 Slot Backplane
- Qty- (1) **BMEXBP1200** 12 Slot Backplane
- Qty- (2) **BMXCPS3500** Power Supply 115/240 VAC 36W
- Qty- (1) **BMXP342020** M340 CPU
- Qty- (1) **BMXNOE0100** M340 Ethernet Network Module
- Qty- (3) **BMXDAI1614** 16 Channel Isolated 120VAC Input module
- Qty- (1) **BMXDRA1605** AC/DC Relay Output Module 16CH
- Qty- (3) **BMXAMI0800** Analog Input Module 8 Channel
- Qty- (3) **BMXAMO0410** Analog Output Module 4 Channel
- Qty- (3) **BMXFTW305** 3 Meter Flying Lead, 120VAC Input Module
- Qty- (2) **BMXFTW301** 3 Meter Flying Lead, Digital Input/Output Modules
- Qty- (3) **BMXFTW308S** 3 Meter Flying Lead, 8 Channel Analog Input Modules
- Qty- (1) **BMXXBE2005** Extension Rack Kit

PLC-4 RO Skids 3, 4, & 5

- Qty- (1) **BMEXBP0400** 4 Slot Backplane
- Qty- (1) **BMEXBP1200** 12 Slot Backplane
- Qty- (2) **BMXCPS3500** Power Supply 115/240 VAC 36W
- Qty- (1) **BMXP342020** M340 CPU
- Qty- (1) **BMXNOE0100** M340 Ethernet Network Module
- Qty- (2) **BMXDAI1614** 16 Channel Isolated 120VAC Input module
- Qty- (1) **BMXDRA1605** AC/DC Relay Output Module 16CH
- Qty- (5) **BMXAMI0800** Analog Input Module 8 Channel
- Qty- (2) **BMXAMO0410** Analog Output Module 4 Channel
- Qty- (2) **BMXFTW301** 3 Meter Flying Lead, Digital Input/Output Modules
- Qty- (5) **BMXFTW308S** 3 Meter Flying Lead, 8 Channel Analog Input Modules

Qty- (2) **BMXFTW301S** 3 Meter Flying Lead, 2-4 Channel Analog Output Modules
Qty- (1) **BMXXBE2005** Extension Rack Kit

Total firm price **\$145,500**

Payment terms - net 30 Days from invoice date, 1.5% interest will be applied to payments in excess of our terms.

CLARIFICATIONS:

- C-1 Proposal is based on GCS Standard Terms & Conditions.
- C-2 Drawing updates based on owner provided record drawings.
- C-3 PLC program conversion from owner provided programs.
- C-4 No SCADA screen modifications are included in this proposal.
- C-5 All wiring diagrams will be done using AutoCAD Electrical and submitted in written form or PDF format "dwg" files will remain in title to General Control Systems, Inc.
- C-6 Price will be adjusted to include a 12% hardware price increase unless PO is received before the end of February and current hardware pricing can be locked by March 2022.

EXCLUSIONS:

- E-1 Material and Equipment other than mentioned above.
- E-2 Conduit installation.

We hope you find our proposal satisfactory. If you should have any questions, please do not hesitate to call our office. This proposal is valid for a period of thirty (30) days after bid date.

Respectfully,
GENERAL CONTROL SYSTEMS, INC.

Eric Sullivan
Business Development Manager

File: Q22-3872 FL - Port Saint Lucie - Prineville RO Quantum PLC
Replacement Project Proposal

Document Rev 1.1 - 7/27/2021 - F130-SALUS-01



Please note that our bid is predicated on the understanding that our work is fully set forth above, that we shall be entitled to the rights, remedies and redress as well as subject to the obligations of the general contract documents with the Owner as they relate to our bid and/or our portion only of the work and any resulting subcontract, and that any resulting subcontract shall be subject to the terms of the current edition of AIA Document A401 "Agreement between Contractor and Subcontractor", or is contingent upon mutual agreement on written subcontract language prior to there being any binding obligation on the part of either party, and use of this bid or reliance upon it will result in acceptance of this bid should you be awarded the contract.

All information contained within this quotation is confidential. This information may not be copied and/or distributed, in part or whole, without obtaining written permission from General Control Systems, Inc.



January 11, 2022

To: Mr. Jamie Franklin
City of Port St. Lucie

Rc: Prineville RO / PLC Improvements / City of Sunrise Contract Format / Rev 01112022
Revere Control Systems #45895

Dear Mr. Franklin:

Revere Control Systems is pleased to provide this proposal to provide on-site services as related to replacement of the existing Quantum PLC hardware platform at your Prineville RO Facility. This proposal includes all required replacement hardware utilizing Schneider/Modicon M340 PLC hardware. It is mutually understood that the services identified below will be required at four (4) separate control panel locations. Specifically, at each of the following locations:

1. PLC-1 RO Skids 1&2 (*Sequencing Matrix & Chemicals*)
2. PLC-2 Blend Basin Controls (*HSP/DISTR. MCC I/O*)
3. PLC-3 Chemical & Ammonia Feeds
4. PLC-4 RO Skids 3-5 I/O

Engineering Services considered in preparing this proposal include the following:

- CAD services as required for creating as-built shop drawings.
- Conversion of existing Quantum PLC programs for use in the M340 platform.

On-site services considered in preparing this proposal include the following:

- Demo services of existing Quantum systems
- Installation of new Modicon M340 PLC hardware
- Start-up & Commissioning services of new Modicon M340 PLC hardware
 - *Note: At this time we are expecting 48 hours of downtime per control panel*
 - *1 day for installation of new hardware*
 - *1 day for start-up and commissioning services*

The following hardware (*identified by PLC location*) is included in this proposal:

PLC-1 Rack 1 / RO Skid's 1&2 (Sequencing Matrix & Chemicals)

Qty.	Part #	DESCRIPTION
1	BMEXBP0400	4 Slot Ethernet Backplane
1	BMEXBP1200	12 Slot Ethernet Backplane
1	BMXP342020	M340 CPU
2	BMXCPS3500	Power Supply 115/240 VAC 36W
1	BMXXBE2005	Extension Rack Kit
1	BMXNOE0100	M340 Ethernet Network Module
6	BMXDAI1614	16 Channel Isolated 120VAC Input module
6	BMXFTW305	3 meter flying lead, 120VAC Input module
1	BMXDRA1605	AC/DC Relay output module 16C11
1	BMXFTW301	3 meter flying lead, Digital input/output modules
2	BMXDAO1615	16 Channel Isolated triac output module
2	BMXFTB4000	40 pt. terminal strip, 16 channel triac Output module
3	BMXAMI0800	Analog Input module 8 Channel
3	BMXFTW308S	3 meter flying lead, 8 Channel Analog input modules
1	BMXXBE1000	Rack Extension module
1	BMXXBC008K	Rack Extension Cable

PLC-1 Rack 2

Qty.	Part #	DESCRIPTION
1	BMEXBP0400	4 Slot Ethernet Backplane
1	BMEXBP1200	12 Slot Ethernet Backplane
2	BMXCPS3500	Power Supply 115/240 VAC 36W
5	BMXAMI0800	Analog Input module / 8 channel
5	BMXFTW308S	3 meter flying lead, 8 ch Analog input modules
8	BMXAMO0410	Analog Output Module / 4 channel
8	BMXFTW301S	3 meter flying lead, 2-4 channel analog output modules
1	BMXXBE1000	Rack Extension module
1	BMXXBC008K	Rack Extension Cable

PLC-2 Rack 1 Blend Basin Controls, HSP/DISTR. MCC I/O

Qty.	Part #	DESCRIPTION
1	BMEXBP0400	4 Slot Ethernet Backplane
1	BMEXBP1200	12 Slot Ethernet Backplane
1	BMXP342020	M340 CPU
2	BMXCPS3500	Power Supply 115/240 VAC 36W
1	BMXXBE2005	Extension Rack Kit
1	BMXNOE0100	M340 Ethernet Network Module
7	BMXDAI1614	16 Channel Isolated 120VAC Input module
7	BMXFTW305	3 meter flying lead, 120VAC Input module
2	BMXDRA1605	AC/DC Relay output module 16CH
2	BMXFTW301	3 meter flying lead, Digital input/output modules
3	BMXAM10800	Analog Input module 8CH
3	BMXFTW308S	3 meter flying lead, 8CH Analog input modules
1	BMXXBE1000	Rack Extension module
1	BMXXBC008K	Rack Extension Cable

PLC-2 Rack 2

Qty.	Part #	DESCRIPTION
1	BMEXBP0400	4 Slot Ethernet Backplane
1	BMEXBP1200	12 Slot Ethernet Backplane
2	BMXCPS3500	Power Supply 115/240 VAC 36W
3	BMXDAI1604	16 Channel 120VAC Input module
3	BMXDRA1605	AC/DC Relay output module 16 Channel
1	BMXDAI1602	16CH 24V AC/DC Input module (10-60 VDC Input)
7	BMXFTW301	3 meter flying lead, Digital input/output modules
2	BMXAM10800	Analog Input module 8 Channel
2	BMXFTW308S	3 meter flying lead, 8 Channel Analog input modules
2	BMXAMO0410	Analog Output Module / 4 channel
1	BMXXBE1000	Rack Extension module
1	BMXXBC008K	Rack Extension Cable

PLC-3 Rack 1 Chemical & Ammonia Feeds

Qty.	Part #	DESCRIPTION
1	BMEXBP0400	4 Slot Ethernet Backplane
1	BMEXBP1200	12 Slot Ethernet Backplane
1	BMXP342020	M340 CPU
2	BMXCPS3500	Power Supply 115/240 VAC 36W
1	BMXXBE2005	Extension Rack Kit
1	BMXNOE0100	M340 Ethernet Network Module
3	BMXDAI1614	16 Channel Isolated 120VAC Input module
3	BMXFTW305	3 meter flying lead, 120VAC Input module
1	BMXDRA1605	AC/DC Relay output module 16CH
1	BMXFTW301	3 meter flying lead, Digital input/output modules
3	BMXAMI0800	Analog Input module 8 Channel
3	BMXFTW308S	3 meter flying lead, 8 Channel Analog input modules
3	BMXAMO0410	Analog Output Module / 4 channel
3	BMXFTW301S	3 meter flying lead, 2-4 channel analog output modules

PLC-4 Rack 1 RO Skid's 3-5 I/O

Qty.	Part #	DESCRIPTION
1	BMEXBP0400	4 Slot Ethernet Backplane
1	BMEXBP1200	12 Slot Ethernet Backplane
2	BMXCPS3500	Power Supply 115/240 VAC 36W
1	BMXP342020	M340 CPU
1	BMXNOE0100	M340 Ethernet Network Module
2	BMXDAI1604	16 Channel 120VAC Input module
2	BMXFTW301	3 meter flying lead, Digital input/output modules
1	BMXDRA1605	AC/DC Relay output module 16 Channel
5	BMXAMI0800	Analog Input module 8 Channel
5	BMXFTW308S	3 meter flying lead, 8 Channel Analog input modules
2	BMXAMO0410	Analog Output Module / 4 channel
2	BMXFTW301S	3 meter flying lead, 2-4 channel analog output modules

City of Sunrise Pricing Format

MATERIALS				
Description	Qty	Unit Cost	Extended Cost	Grand Total
Modicon PLC Hardware	Lot	\$42,000.00	\$42,000.00	
Misc. Control Panel Components	4	\$250.00	\$1,000.00	
Material Subtotal			\$43,000.00	
Square D / Modicon Published Price Increase (12%)			\$5,160.00	
Material Markup (20%)			\$8,600.00	
Total Material			\$56,760.00	\$56,760.00
LABOR				
Project Manager	115	\$155.00	\$17,825.00	
System Engineer	368	\$140.00	\$51,520.00	
Control System Technician	192	\$100.00	\$19,200.00	
Total Labor			\$88,545.00	\$88,545.00
TRAVEL EXPENSES				
Hotel, Meals, Vehicle	Lot	\$3,250.00	\$3,250.00	
Total Expenses			\$3,250.00	\$3,250.00
FREIGHT				
Freight Charges	Lot	\$188.00	\$188.00	
Total Expenses			\$188.00	\$188.00
Total Price				\$148,743.00

Thank you for the opportunity you have afforded Revere Control Systems in offering this proposal. As always, if you have any questions concerning the above, please do not hesitate to contact me.

Notes:

1. Sales tax not included. Owner to provide tax exempt certificate
2. Should this proposal result in an order please reference 45895 on the P.O.
3. The Owner is to provide an Ethernet network for PLC communications.
4. All HMI modifications shall be by Owner
5. Travel per diem is included
6. Terms: NET 30
7. Quote good for 30 days
8. This proposal revision replaces all prior versions
9. Schneider / SQD Announcement attached

Sincerely,
 Ben Matthews
 Program Manager
 Revere Control Systems, Inc.
 (863) 646-5781

From: Schneider Electric USA, Inc.

Date: January 6, 2022

To: Partners

Price Increase Announcement

Dear Valued Partner,

Our industry continues to face increased inflation along with unprecedented transportation and global supply chain disruptions, especially around semiconductors. The relentless inflationary pressures, along with strong demand industry-wide, continue to impact our costs to manufacture, package, design, ship and service our customers. As a result, it is necessary to implement a price increase for Schneider Electric - US Energy Management and Industrial Control and Automation offers.

Please see the following details of implementation:

Negotiated Proposals:

New proposal request will increase an average 12% effective February 6, 2022. The updated price conditions will apply to all new proposals and to all quotations greater than 30 days old. There will be increased emphasis on reevaluating pricing for all outstanding quotes beyond the standard validity of 30 days as provided in our standard terms and conditions.

SPA's (Special Price Agreements):

Customer SPA's will increase an average 12% effective March 6, 2022. New price files will be available the week of February 21, 2022.

Additionally, select into stock products will increase an average 5%. These vary by product discount schedule and SKU. Most into stock prices will remain the same, specific impacted products will be available to our Partners separately. As previously communicated, stock orders created after December 1, 2021 are temporarily non-cancellable (with limited exceptions). Schneider Electric reserves the right to limit orders at the current price to typical historic volumes.

This increase applies to retailers and distributor agreements including contractors, OEMs, and end users.

We know it hasn't been easy for our Partners, and Schneider Electric would like to express our sincere thanks and appreciation for your continued support and resiliency. If you have any questions or require additional information, please contact your Schneider Electric Area Channel Manager directly.



Mike Montanari
Vice President, Channel Development
Schneider Electric USA, Inc



Bryan Stevens
Vice President, Price Management
Schneider Electric USA, Inc

Schneider Electric

600 Federal Street
Andover, MA 01210
1-978-794-2800

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Florida Profit Corporation

C.C. CONTROL CORP

Filing Information

Document Number V46803
FEI/EIN Number 65-0344348
Date Filed 06/30/1992
State FL
Status ACTIVE
Last Event AMENDMENT
Event Date Filed 10/13/2009
Event Effective Date NONE

Principal Address

5760 CORPORATE WAY
SUITE 100
WEST PALM BEACH, FL 33407

Changed: 01/10/2010

Mailing Address

5760 CORPORATE WAY
SUITE 100
WEST PALM BEACH, FL 33407

Changed: 01/10/2010

Registered Agent Name & Address

Garcia, Luis L
15405 Dehavilland Ct
Wellington, FL 33414

Name Changed: 02/03/2021

Address Changed: 02/03/2021

Officer/Director Detail

Name & Address

Title President

Garcia, Luis L
15405 Dehavilland Ct
Wellington, FL 33414

Title VP

Skidmore, Matthew
8122 Via Bolzano
Lake Worth, FL 33467

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