HSQ TECHNOLOGY
A RailWorks Company

26227 Research Road
Hayward, California 94545-3725
Phone: (510) 259-1334
Fax: (510) 259-1392
www.hsq.com

By Email   Patty.Wilson@fortworthtexas.gov

May 25, 2021

City of Fort Worth
1511 Eleventh Avenue
Fort Worth, TX 76102

Attention: Patty Wilson

**Reference: Maintenance Agreement
City of Fort Worth, Texas
Quotation No. 2102-0003-MA-A**

Dear Ms. Wilson:

HSQ Technology is pleased to offer you one (1) year of maintenance service, with four (4) one-year options, for your Supervisory Control and Data Acquisition (SCADA) System.

The initial year of maintenance will be at the annual rate of **$38,940.00**, billed at the end of each month, in the amount of **$3,245.00.** This amount is based on two (2) site visits per year of three (3) days each. Telephone support, normal business day, Monday through Friday 8 am – 5 pm Pacific Time, is also included.

HSQ is also offering four (4) option years at the following rates:

Option Year 1 – annual fee of $40,116.00 – billed at $3,343.00 per month
Option Year 2 – annual fee of $41,328.00 – billed at $3,444.00 per month
Option Year 3 – annual fee of $42,576.00 – billed at $3,548.00 per month
Option Year 4 – annual fee of $43,860.00 – billed at $3,655.00 per month

These options years are also based on two (2) site visits per year of three (3) days each and Telephone support, normal business day, Monday through Friday 8 am – 5 pm Pacific Time.

Telephone support will be available during normal business hours from HSQ's Hayward, California, factory at 510-259-1334.

In addition, HSQ Technology will provide replacement and spare parts and/or repair services at the prices listed on the enclosed Parts and Service Price List. Parts not listed will be quoted on request.

Parts and service requests that are outside the scope of the maintenance agreement will require a separate purchase order. To facilitate the order and repair of equipment, HSQ suggests that you add a $5,000 to $15,000 blanket purchase order for any emergency order.

HSQ looks forward to meeting your maintenance needs. Please contact the undersigned, or Matt Puskas, at 800-486-6684 with any questions.

Sincerely yours,

HSQ TECHNOLOGY

Matt Puskas
Senior Engineer

MP/ks

Enclosures

AGREEMENT FOR MAINTENANCE/TELEPHONE SUPPORT SERVICE

HSQ TECHNOLOGY and CITY OF FORT WORTH

SUPERVISORY CONTROL AND DATA ACQUISITION SYSTEM

Maintenance Agreement No. 2102 - 0003 – MA - A

This Agreement is made and entered into this **1st** day of **July**, 20**21**, by and between HSQ TECHNOLOGY, hereinafter referred to as "HSQ," and City of Fort Worth, hereinafter referred to as "CUSTOMER," for the SCADA System located at various locations.

TERM
This Agreement shall be effective July 1, 2021 and shall continue for a term of twelve months through June 30, 2022.

SCOPE OF WORK
In consideration of payment by CUSTOMER, HSQ agrees to provide telephone support for questions regarding operations of, or problems arising with, the SCADA system. Telephone support will be available during normal business hours PST from HSQ's Hayward, California, factory at 510-259-1334.

Please note that telephone support is intended to maintain system functionality, and is not intended to be an unlimited technical resource for the Operations and Maintenance Staff; HSQ reserves the right to request additional compensation for work outside of the normal scope of telephone support.

Work included:
- Operation or maintenance questions from Customer authorized staff.
- Assist in diagnosing hardware problems for HSQ supplied equipment
- Provide fixes for any latent software defects provided by HSQ
- Access Customer System as available for any of the above issues

Work Excluded:
- Development of custom software including reports, control blocks, VCL
- Significant modifications to the System Database for points or Graphics
- Preparations of new Drawings or Documentation
- Any material or equipment

Site Visits: (two site visits of three days each)
Site visits are coordinated between Customer and HSQ Support Services:
- Customer shall provide the scope of work expected for each visit in order to assign to the appropriate HSQ support Engineer
- Site visits include labor only and may include training, maintenance, or assisting with the development of minor software modifications

PAYMENT

In consideration of the above support services, CUSTOMER agrees to pay HSQ the sum of Thirty-Eight Thousand Nine Hundred Forty Dollars and No Cents ($38,940.00), billed in monthly installments of Three Thousand Two Hundred Forty-Five Dollars and No Cents ($3,245.00), payable in advance. Invoices are payable upon receipt.

HSQ is also offering four (4) option years at the following rates:

Option Year 1 – annual fee of $40,116.00 – billed at $3,343.00 per month
Option Year 2 – annual fee of $41,328.00 – billed at $3,444.00 per month
Option Year 3 – annual fee of $42,576.00 – billed at $3,548.00 per month
Option Year 4 – annual fee of $43,860.00 – billed at $3,655.00 per month

These options years are also based on two (2) site visits per year of three (3) days each and Telephone support, normal business day, Monday through Friday 8 am – 5 pm Pacific Time.

ACCEPTANCE

By CUSTOMER: By HSQ TECHNOLOGY:

_____   _____
Signature   Signature
                                                      Gustavo Jimenez
_____   _____
Typed/Printed Name   Typed/Printed Name
                                                      Director of Projects & Operations
_____   _____
Title   Title

_____   _____
Date   Date

HSQ TECHNOLOGY
A RailWorks Company

CERTIFIED ISO 9001:2015 COMPANY

Parts and Service Price List

Terms and Conditions

◇ All prices are FOB Hayward, California and are exclusive of sales tax. Taxes and transportation charges are prepaid and will be added to the invoice.

◇ VISA and MasterCard are accepted, subject to a 4% surcharge.

◇ Prices are subject to change. Call or email for current prices.

◇ Minimum parts order is $300.00.

◇ New items are warranted for one (1) year.

◇ Repair items are warranted for ninety (90) days.

◇ Extended warranty is available on most items.

◇ The prices on this list do not apply to parts damaged as a result of improper use or acts of God.

◇ If no part number is listed, please call. The application will dictate the specific part number.

◇ Quantity discounts are available for the 25x86 Series Interface, Expansion boards, and new parts shown below, as follows:

  • Qty. 5-15   10% Discount ∗
  • Qty. 16-29   15% Discount ∗
  • 30 or More   20% Discount ∗

∗ – The discount is based on meeting quantity limits for each product part number.

NOTE: Part numbers underlined and in blue are hyperlinks to datasheets with more detailed information.

Contacts	Title
Chris Cornejo	Parts and Production Manager
Matt Puskas	Senior Estimator

BUILDING THE TECHNOLOGY THAT DRIVES SMARTER SYSTEMS

Logic Processors (RTUs)

Part No.	Description	List Price
8600-3343F	25x86 Logic Processor – Standard (two buses with two Ethernet ports)	$2,500.00
8600-3343L	25x86 Logic Processor – Low Power	$2,000.00
8601	Bus Board (Replacement)	$650.00
8602	Control Board (Replacement)	$800.00
8600-386X	Latest CPU Exchange for 386 or 486 CPU	$900.00
8600-V8	Version 8 Software Upgrade (only available for 9579 and 9588 processors)	$350.00
CPF-UP	Compact Flash Upgrade	Call for pricing

2500 - 25x86 Series Interface Boards

Part No.	Description	List Price
1046	8-Channel Digital DC Input Board	$215.00
1047	8-Channel Digital DC Output Board	$215.00
1332	8-Channel Relay Output Board	$310.00
8646	12-Channel DI/12-Channel DO Termination Board (25x86 Only)	$450.00

6000/6200 Series Remote I/O Modules for 25x86 and 1000 RTUs

Part No.	Description	List Price
HSQ-6015	7-Channel RTD Input Module	$675.00
HSQ-6017	8-Channel Analog Input / 2-Channel Digital Output Module	$570.00
HSQ-6018	8-Channel Thermocouple Input / 8-Channel Digital Output Module	$785.00
HSQ-6050	12-Channel Digital Input / 6-Channel Digital Output Module	$410.00
HSQ-6051	12-Channel Digital Input / 2-Channel Digital Output or 2-Channel Counter Input Module	$410.00
HSQ-6052	8-Channel Digital Input / 8-Channel Digital Output	$440.00
HSQ-6060	6-Channel Digital Input / 6-Channel Relay Module	$460.00
HSQ-6066	6-Channel Digital Input / 6-Channel Power Relay Module	$400.00
HSQ-6217	8-Channel Analog Input Module	$605.00
HSQ-6224	4-Channel Analog Output / 4-Channel Digital Input Module	$645.00
HSQ-6250	8-Channel Digital Input / 7-Channel Digital Output Module	$430.00
HSQ-6256	16-Channel Digital Output Module	$430.00
HSQ-6260	6-Channel Relay Output Module	$430.00
HSQ-6266	4-Channel Digital Input / 4-Channel Relay Output Module	$430.00

2500 - 25x86 Series Expansion Boards

Part No.	Description	List Price
2507	4-Channel Analog Output Board	$890.00
2535	4-Channel Digital Input to Analog Input Adapter Board	$90.00
2508	32-Channel Analog Input Board	$1,350.00
2509	32-Channel Digital Input Board	$530.00
2534	32-Channel Intelligent Digital Input	$1,100.00
2533	32-Channel Digital Output	$610.00
2548	16-Channel Relay Digital Output	$550.00
2569	16-Channel Digital Input / 16-Channel Digital Output Board	$690.00
1368 ‡	Digital Input Conversion Expansion Board (125 V_{DC} in) – Left Entry	$280.00
1369 ‡	Digital Input Conversion Expansion Board (125 V_{DC} in) – Right Entry	$280.00

‡ – For use with the 2509 and 2534 Expansion Boards.

System Products

Part No.	Description	List Price
2511	Power Box Assembly	$150.00
2585	RTU Battery Backup Controller	$490.00
CP10.241-S1	Power Supply (24 V_{DC} / 10 Amp) – DIN Rail	$265.00
2572	Communications Board — provides 2 serial ports and indicator lights for 6000 series RTUs and the HSQ-1110 RTU (uses 2 serial ports)	$160.00
2592	Communications Board — provides 4 serial ports and 1 Ethernet port for 25x86 RTUs (9579, 9588, and 3343 processors only)	$225.00
PTA	Pulse to Analog Card — converts a DO pulse duration to an analog value	$150.00
HSQ-RX2800	HSQ Integrity rx2800 i6 Server/Workstation: w/ VMS Keyboard and Mouse, 24" LCD Monitor, 16 GB RAM, 147 GB Hard Drive, DVD/CD ROM Drive, Graphics Port, Pedestal Mount; Configured (excludes HSQ MISER license and OpenVMS Operating System software)	Call for Pricing
HSQ-RXPWR2	Redundant Power Supply for HSQ-RX2800	$750.00
HSQ-XVIEW-WRKPRO	MISER XView for Windows Professional Workstation	Call for pricing
HSQ-SYS-146	146 GB System Disk (configured)	$850.00
HSQ-HST-300	300 GB History Disk (configured)	$1,000.00
HSQ-5ES	Five (5) Port Ethernet Switch (Moxa) (Unmanaged Switch)	$250.00
HSQ-6ES	Six (6) Port Ethernet Switch (Moxa) (Managed Switch)	$870.00
HSQ-TS1	Terminal Server (Moxa)	Call for pricing
HSQ-TELE8HR	Telephone Support, Basic (eight hours a day, five days a week)	Call for pricing
HSQ-TELE24HR	Telephone Support, Complete (twenty-four hours a day, seven days a week)	Call for pricing

Communication Cables

Part No.	Description	List Price
HSQ-6000R	Communication Ribbon Cable (HSQ-6000 to 2572)	$100.00
HSQ-CBL1	Ribbon Cable (2 connectors, 1 foot length)	$100.00
RTUDIAG-CBL	RTU Diagnostics Cable, connects 2500 series and x86 RTUs series to serial port	$100.00

Software

Part No.	Description	List Price
HSQ-MISER-A	MISER License (non-redundant server)	Call for pricing
HSQ-MISER-B	MISER License (redundant server)	Call for pricing
HSQ-MISER-C	MISER License (workstation)	Call for pricing
MISER-DR	Standard MISER Device Driver (existing NCC)	Call for pricing
XVIEW-WIN	XView for Windows (XView only, full client version)	Call for pricing
XVIEW-UP	XView for Windows Upgrade (XView only, client upgrade version)	Call for pricing
WIN-XCD	XView for Windows, Exceed Edition, Full Version (XView and XServer software)	Call for pricing
WIN-XCD-UP	XView for Windows, Exceed Edition, Upgrade Version (XView and XServer software)	Call for pricing
HSQ-TALK	MISERtalk Software (Email Notification / Text Message)	Call for pricing
HSQ-VCL	MISER VisualCL Software (Server)	Call for pricing
HSQ-VCLW	VisualCL Software for Windows (Client)	Call for pricing
HSQ-POR	MISER Web Portal	Call for pricing
HSQ-POR-UP	MISER Web Portal Upgrade	Call for pricing
HSQ-SRV-WIN	ODBC Server for Windows (database software)	Call for pricing
HSQ-ODBC	ODBC Bridge for MISER (database software)	Call for pricing
HSQ-ODOC	ODBC Bridge with Oracle for MISER	Call for pricing
HSQ-ODRD	ODBC Bridge (redundant software)	Call for pricing
RTU-DIAG	RTU Diagnostic Software (CD-ROM) (Includes software, manual, and two (2) hours telephone support.)	$1,050.00

Documentation

Part No.	Description	List Price
HSQ-MOM	MISER Operator Manual	$150.00
HSQ-TRM	MISER Technical Reference Manual	$175.00
HSQ-SYS	MISER System Manual	$150.00
HSQ-VCLM	VisualCL Manual	$150.00
HSQ-XVIEW	XView for Windows Installation Manual	$150.00
HSQ-XDRAW	XDraw User Manual	$150.00
HSQ-RTU86	HSQ Logic Processor and RTU User Manual	$200.00
HSQ-DIAG	RTU Diagnostic Manual	$125.00
HSQ-CDR	MISER Manuals on DVD	$175.00

NOTE: Customers that purchase the product and/or existing customers receive documentation at no charge.

Repair Pricing

Repair pricing for HSQ products is based on time and material at a rate of $200.00 per hour. There is a $300.00 evaluation fee for all repair items. Shipping cost shall be added, depending on the size of repair order.

All parts returned for repair require a Return Material Authorization (RMA) number and a payment authorization, in the form of a purchase order (P.O.) or credit card authorization. A copy of the HSQ RMA form can be found on our website (www.hsq.com/RMA) or can be forwarded via email upon request.

Please contact Chris Cornejo or Karen Santos at (510) 259-1334 or email: repairs@hsq.com for an RMA number.

25x86 Logic Processor units may be returned as a complete unit. The repair price is dependent on the actual board failure within the unit.

NOTE: All repairs must be accompanied by an HSQ RMA number and purchase authorization, as stated above. Evaluations and Repairs cannot be processed without having a customer issued purchase number or credit card purchase authorization.

I. FIELD SERVICE (NOTE 1)

Senior Service/Software Engineer ··· $250.00/Hour
Overtime ·· $375.00/Hour
Service Engineer (hardware and software) ·· $200.00/Hour
Overtime ·· $300.00/Hour

II. JOBSITE EXPENSES (NOTE 2)

Lodging ·· $225.00/Day
Vehicle ··· $100.00/Day
Daily Stipend ·· $150.00/Day

III. TRAVEL EXPENSES (NOTE 2)

Local Vehicle ·· $0.58/Mile
Air Fare ··· Call for Pricing

IV. IN-TRANSIT RATES (PER SITE VISIT)

Domestic (West Coast) One (1) Day ··· Call for Pricing
Domestic (East Coast) Two (2) Days ·· Call for Pricing
International Three (3) Days ·· Call for Pricing

V. PARTS AND MATERIALS

A/R ··· Call for Pricing

NOTES

1. Field service rates are based on an eight (8) hour weekday, exclusive of any travel and/or living expenses. A minimum of four (4) hours shall be billed for all field requests.

2. Jobsite/travel expenses are ***estimated for budgeting purposes only***. Actual amount billed will be cost plus a twenty percent (20%) administration fee.