

AMENDMENT NO. 1
CBE NO. 606210-22
Security Electronics and DVMS System Support Maintenance

THIS AMENDMENT is made and entered into this ____ day of _____ 2023, by and between CLARK COUNTY, NEVADA (hereinafter referred to as "COUNTY"), and STATUS ELECTRICAL CORPORATION (hereinafter referred to as PROVIDER).

WITNESSETH:

WHEREAS, the parties entered into an agreement under CBE Number 606210-22, entitled Security Electronic and DVMS System Support and Maintenance dated August 30, 2022 (hereinafter referred to as CONTRACT); and

WHEREAS, the parties desire to amend the CONTRACT.

NOW, THEREFORE, the parties agree to amend the CONTRACT as follows:

1. Page 1, 2nd paragraph.

ORIGINALLY WRITTEN:

"WHEREAS, PROVIDER has the personnel and resources necessary to accomplish the PROJECT within the required schedule and with a budget allowance not to exceed \$2,408,387.49, including all travel, lodging, meals and miscellaneous expenses; and"

REVISED TO READ:

"WHEREAS, PROVIDER has the personnel and resources necessary to accomplish the PROJECT within the required schedule and with a budget allowance not to exceed \$2,039,972.56, including all travel, lodging, meals and miscellaneous expenses; and"

2. Page 1, Section II: Compensation and Terms of Payment, Letter A: Compensation.

ORIGINALLY WRITTEN:

"COUNTY agrees to pay PROVIDER for the performance of services described in the Scope of Work (Exhibit A) for the not to exceed amount of \$2,408,387.49. COUNTY'S obligation to pay PROVIDER cannot exceed the fixed fee amount. It is expressly understood that the entire work defined in Exhibit A must be completed by PROVIDER and it shall be PROVIDER'S responsibility to ensure that the hours and tasks are properly budgeted, so the entire PROJECT is completed for the said fee."

REVISED TO READ:

"COUNTY agrees to pay PROVIDER for the performance of services described in the Scope of Work (Exhibit A) for the not to exceed amount of \$2,039,972.56. COUNTY'S obligation to pay PROVIDER cannot exceed the fixed fee amount. It is expressly understood that the entire work defined in Exhibit A must be completed by PROVIDER and it shall be PROVIDER'S responsibility to ensure that the hours and tasks are properly budgeted, so the entire PROJECT is completed for the

said fee.”

3. Replace Exhibit A in its entirety with Revised Exhibit A, attached hereto.
4. Replace Exhibit B in its entirety with Revised Exhibit B, attached hereto.

This Amendment No. 1 represents a decrease of \$368,414.93.

Except as expressly amended herein, the terms and conditions of the CONTRACT shall remain in full force and effect.

COUNTY:
COUNTY OF CLARK, NEVADA

By: _____
JESSICA COLVIN
Chief Financial Officer

PROVIDER:
STATUS ELECTRICAL
CORPORATION

By: **David Kovacs**
DAVID KOVACS
DIVISION MANAGER

Digitally signed by David Kovacs
DN: cn=David Kovacs, o=Status,
ou=Status,
email=david.kovacs@statusauto
mation.com, c=CA
Date: 2022.12.01 09:35:09 -08'00'

APPROVED AS TO FORM:
STEVEN B. WOLFSON, District Attorney

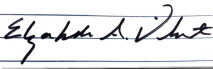
By: 
ELIZABETH VIBERT
Deputy District Attorney

EXHIBIT A
SECURITY ELECTRONICS AND DVMS SYSTEM SUPPORT AND MAINTENANCE
SCOPE OF WORK
Revised per Amendment 1

Sole Source Provider

The SE (Security Electronics) components as described following are configured and programmed to provide for a total "Integrated" solution - managing the security at the Clark County Detention Center.

Status Automation personnel have been factory trained to install and service the components of the SE system.

The integration package (SSE5.0) is a specialty software and hardware integration component crucial to the continued safe operation of the SE system - and Status Automation is the best qualified and are the only licensed provider to offer support and maintenance on the system - and are therefore the Sole Source Provider.

Hardware/ Software to be serviced (sole source):

- Security Electronics (HMI-Touchscreen System)
 - o Servers and Workstations (Software Only)
 - o PLC System
 - ST GE PLC
 - PLCx 2,3,4
 - Software support and Hardware diagnostic support
 - NT GE PLC
 - PLC1 (elevators)
 - Software support and Hardware diagnostic support
 - Modicon M340 PLC
 - PLCs TR1, TR7, TR12
 - PLCs Remote 10 28, 38, 58 7B, 9B
 - PLCs Remote 10 2A, 3A, SA, 7A, 9A
 - PLCs Remote 10 TR1-2, 2DH, 3D, 5D, 7D, 9D
 - PLCs Remote 10 2EF, 3EF, 5EF, 7EF, 9EF
 - o Intercom System
 - Harding DXL Intercom system
 - o Access Control System
 - HID Vertx Hardware
 - Status Automation SSE 5.0 Access Control Engine
 - o Status Automation SSE 5.0 - Head End Server
 - o GE Cimplicity HMI
- DVMS (CCTV System)
 - o Servers and Archivers (prior to Feb. 2023 – 2.5-year retention cold storage upgrade)
 - Directory and FODirectory
 - Archiving Servers (13)
 - Maintenance Computer (1)
 - o Servers and Archivers (after Feb. 2023 – 2.5-year retention cold storage upgrade)
 - Directory and FODirectory
 - Archiving Servers (10 primary, 1 standby)
 - Maintenance Computer (1)
 - o Genetec Security Center V5.10,
 - o Status Automation SSE 5.0 Genetec SOK
 - o Video Encoders
 - Sony Video Encoders
 - o IP Video Cameras
 - Various
- NAS Storage Arrays (CCTV) (prior to Feb. 2023 – 2.5-year retention cold storage upgrade)
 - o Video Storage Arrays (7)
- Coldstore Storage Arrays (CCTV) (after Feb. 2023 – 2.5-year retention cold storage upgrade)
 - o Coldstore Video Storage Arrays (10 primary, 1 standby)

Security Electronics, DVMS and NAS Storage System Support and Maintenance

Preventative Maintenance

Bi-Annual Site Maintenance

1) HMI System

- Hardware:
 - o visual inspection of the internal components,
 - o cleaning of filters internal parts.
- Windows / Application software:
 - o perform system diagnostic checks on the operating system and application software.
 - o Check/ perform disk defrag
 - o Backup software.
 - o Reboot HMI viewers
 - o Installation of service packs and patches if applicable (all service packs and patches will be pre-tested in Status' engineering office prior to installation).

2) PLC Hardware / Firmware:

- Perform system diagnostic checks of the CPU and 10 fault tables

3) DVMS System

- Hardware
 - o visual inspection of the components
 - o check for heating, fans, redundant power supplies
 - o cleaning of filters internal parts.
- Windows / Application software:
 - o perform system diagnostic checks on the operating system and application software.
 - o Backup software.
- NAS/Coldstore array:
 - o perform system diagnostic checks on the operating system and application software
 - o visual inspection of the components
 - o check for heating, fans, redundant power supplies
 - o cleaning of filters internal parts.

4) Access Control System

- Hardware / Software:
 - o Check diagnostic logs

5) Intercom System

- Hardware / Software:
 - o check diagnostic logs
 - o visual inspection of the components,
 - o cleaning of filters internal parts.

A. Off site-OnCall Technical support/ unscheduled system support

1) Telephone / Email / **WAN** support

- Provide 24/7 emergency technical support (hot line)
- Response time:
 - o Initial contact - under 4 hours
 - o WAN or phone tech support for action - under 6 hours
- NAS array Gold support, if applicable
- Genetec Advantage SMA support

2) System analysis support

- Provide off site technical support with ability to monitor or check issues over County WAN Maintenance line. Provide off site correction and software repairs.
- Manage a Current Mirror HMI Server System at Status' Engineering Office to provide technical support
- Collect and store system backups (off site) for additional system recovery.

B. On-site support (optional at additional cost)

1) On Site call out support

- Provide 24/7 emergency call out support
- Emergency
 - o In the event of an incident that causes the system to need immediate emergency repairs and the cause cannot be patched or repaired online
 - o Anticipated response time is 8 hours max (from Seattle or Vancouver) for HMI specialty support.
- Preplanned
 - o For system changes, additions, deletions where work can be preplanned in advanced
 - o Provide on-site repair and support services as needed and required for changes, additions, repairs to the integrated electronics components.
 - o Services and scope are quoted as lump sum or hourly projects and are discretionary.

C. Equipment List

1) HMI System

- Application software:
 - o Cimplicity HMI
 - o Graphics and Database engine
 - o Status Automation - SSE 5.0
 - o Security system extensions for user specific application interface and integration of HMI, PLC, Intercom, Video Card Access
- Equipment/ Servers
 - o Primary HMI Server
 - o Secondary HMI Server
 - o HMI Touch Workstations (5) At Central Control
 - o HMI Touch Workstations NT DRC's
 - o HMI maintenance station
 - o HMI / AC management terminal

2) PLC System:

- GE Proficy Machine edition, custom application interface and software for integration of HMI software and applications
 - o GE PLC's RsX3i (4)
 - PLC 10
- Modicon custom application interface and software for integration on HMI software and applications
 - o Modicon M340 PLC's (3)
 - TR1-1, TR?, TR12, TR1-2
 - o Modicon M340 Remote 10 (5)
 - RIO 2B, 38, 58, 78, 98
 - RIO 3A, 5A, 7A, 9A
 - RIO 2DH, 3D, 50, 7D, 9D
 - RIO 2EF, 3EF, 5EF, 7EF, 9EF

3) DVMS System

- Hardware
 - o Servers (prior to Feb. 2023 – 2.5-year retention cold storage upgrade)
 - Primary Database / Directory Server
 - Secondary Database / Directory Server
 - Primary Archivers (9)
 - Cold spare Archiver (4)
 - o Servers (after Feb. 2023 – 2.5-year retention cold storage upgrade)
 - Primary Database / Directory Server
 - Secondary Database / Directory Server
 - Archiver/Coldstore Pair A-J (10)
 - Archiver/Coldstore Pair K (1 standby)
 - o Video Encoders
 - All video encoders
 - o IP Video Cameras
- Application software:
 - o Genetec Security Center 5.10
 - o SDK application interface for integration of the HMI software and applications

- NAS arrays: (prior to Feb. 2023 – 2.5-year retention cold storage upgrade)
 - o Video Storage Array 1
 - Installed Jan 2020
 - 5-year hardware warranty Included at time of purchase (End 2025)
 - o Video Storage Array 2
 - Installed Jan 2020
 - 5-year hardware warranty included at time of purchase (End 2025)
 - o Video Storage Array 3
 - Installed 2021
 - 5-year hardware warranty Included at time of purchase (End 2026)
 - o Video Storage Array 4 - North Tower
 - Out of service - replacement for Cold store migration
 - o Video Storage Array 5 - North Tower
 - Replacement due 3rd quarter 2021
 - **Replacement underway to Coldstore**
 - o Video Storage Array 6 - North Tower
 - Replacement due 3rd quarter 2021
 - **Replacement underway to cold store**
 - o Video Storage Array 7-10 - South Tower
 - Replacement due 1st quarter 2022
 - **Due for replacement to cold store**
 - Coldstore arrays: (after Feb. 2023 – 2.5-year retention cold storage upgrade)
 - o Video Storage arrays A-K (10 primary, 1 standby)
- 4) Access Control System
- Hardware:
 - o HID Vertx interface
 - Status Automation SSE5.0 integration package
- 5) Intercom System
- Hardware:
 - o Harding DXL
 - TMM Masters
 - DCC/DCE
 - Grandstream Voip interface
 - RiteTrak IO

Security Electronics System Support and Maintenance Proposal Pricing

Preventative Maintenance			
• Bi-Annual Schedule	Annual Cost:		<i>See Exhibit B</i>
Preventative Maintenance			
• DRC/WS config /setup	Annual Cost:		<i>See Exhibit B</i>
• Off Site - On Call Technical Support	Annual Cost:		<i>See Exhibit B</i>
• Provide Telephone/Email Support			
• Maintain System Mirror			
• Collect and Manage Backups			
• Provide diagnostic services			
• Annual Cost provides for hardware mirror and up to 2 hours support time per month, non-accumulating			
• Off Site - Unscheduled system support	Annual Cost:		<i>See Exhibit B</i>
• Annual Cost allocation to provide unscheduled shutdown assistance, diagnostics, minor changes to system.			
• Provides for 48 hours per year			

Notes:

1. DVMS Software SMA and NAS support additional see next section
2. Bi-Annual and Offsite-On Call support pricing have been adjusted to reflect historical support time incurred and north tower additional DRC's added during NT upgrade phasing
3. Costs have been balanced between HMI (touchscreen system) and DVMS for accounting purposes only, and each section does not stand alone.

Total Annual Costs
Security Electronics System Support and Maintenance

See Exhibit B

DVMS (CCTV) Software Maintenance and Support Pricing

Preventative Maintenance

- Bi-Annual Schedule Annual Cost: See Exhibit B
- Off Site - On Call Technical Support Annual Cost: See Exhibit B

Provide Telephone/Email Support

- Provide diagnostic services
- Annual Cost provides for up to 6 hours support time per month, non-accumulating

IP Camera remote diagnostics and enrollment

Annual Cost: See Exhibit B

- Provides for remote diagnostics and swap/enrollment

DVMS Software (Genetec Advantage) SMA

Annual Cost: See Exhibit B

- Provides for anytime version upgrade during the year
- Genetec software phone support, engineering support
- Camera driver compatibility
- Additional Status Automation 24/7 DVMS support

Installation of upgrade or service release per occurrence
(allowance of once per year)

See Exhibit B

Total Annual Costs

DVMS System Support and Maintenance

See Exhibit B

NAS/Coldstore Storage Support and Maintenance

NAS/Coldstore Storage Arrays (NAS prior to Feb. 2023, Coldstore after Feb. 2023)

Extended warranty (supported units only, EOL units not applicable)

- Provides for replacement hardware, advance shipped during the year

Provides for service packs and driver updates

- Technical support and assistance
- Additional Status Automation 24/7 DVMS support

Extended Warranty Status

NAS 1,2,3

Extended Warranty: Yes

NAS 4

Out of service EOL,

NAS 5,6,7

Diagnostic services only

Cold Store units when installed 4-hour remote diagnostics allowed per unit per month. Replacement part chargeable.

Off Site - On Call Technical Support

- Provide Telephone/Email Support
- Provide diagnostic and services
- Annual Cost provides for up to 2 hours support time per month, non-accumulating
- Provides for monthly online inspection of data, status, and optimization

Total Annual Costs

NAS Support and Maintenance

See Exhibit B

Required Spare Parts

Following parts are recommended to be on hand to ensure quick return to service upon failure of these key components.

Harding Intercom Communication Expander DCE 4040	1ea	\$	See Exhibit B
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Harding Intercom Communication Expander DCE 3030	1ea	\$	See Exhibit B
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Total

See Exhibit B

Summary of Support and Maintenance Costs

Security Electronics System Support and Maintenance	<i>See Exhibit B</i>
DVMS System Support, Maintenance and Genetec Advantage SMA	<i>See Exhibit B</i>
NAS Extended Warranty/ Support	<i>See Exhibit B</i>
Spare parts	<i>See Exhibit B</i>

Total Annual Costs

Software and Hardware support	<i>See Exhibit B</i>
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Pre-emptive Hardware Refresh Schedule

DVMS Archiving servers and Storage

To ensure uninterrupted service and to protect important video for future retrieval the archiving servers and storage hardware must be maintained and refreshed regularly.

The existing servers and storage were installed over 3 years, and so the replacement refresh equipment can be staged as well.

The existing storage was designed for 30 - 60 days retention -wherein all storage is based on spinning media running 24/7 (hot storage). The current requirement is for longer duration storage approaching 1 to 2.5 years (future) and there are better methods for this long-term storage (cold storage).

As the storage is refreshed the type will be converted from 100% Hot storage to a mix of 15 days hot on archiver server plus expandable cold storage for the retention exceeding 15 days.

Each Archiver/ Storage pair will consist generally of:

Dell R3xx Server. Xeon processor, 32 GB ram, dual power supplies o
Server 2019
o SQL Server 2019
o Genetec Security Center

Veracity Colossus Cold Storage Appliance o
10 x 18TB hard drives
o 30-60 days storage

DVMS System configuration
o System modifications to migrate to Cold storage
o SQL Full version integration

Installation and Commissioning

The cost for each archiver/NAS pair with base minimum sized hard drives would be *See Exhibit B*

Additional hard drives to increase from minimum to 1 year to 2.5 years *See Exhibit B*

Exhibit B
Security Electronics and DVMS System Support and Maintenance
Annual Support Maintenance Fees
Revised per Amendment 1

	Notes	2022/23	2023/24	2024/25	2025/26	2026/27
R5 - November 18 2022		Year 1 (FY23)	Year 2 (FY24)	Year 3 (FY25)	Year 4 (FY26)	Year 5 (FY27)
	5 CPI base	0%	5%	5%	5%	5%
Security Electronics Support and Maintenance						
Preventative Maintenance BiAnnual Schedule	3	\$ 10,689.00	\$ 11,223.45	\$ 11,784.62	\$ 12,373.85	\$ 12,992.55
Preventative Maintenance DRC/WVS config, setup		\$ 6,552.00	\$ 6,879.60	\$ 7,223.58	\$ 7,584.76	\$ 7,964.00
On Call off site tech support		\$ 6,552.00	\$ 6,879.60	\$ 7,223.58	\$ 7,584.76	\$ 7,964.00
On Call unscheduled system support		\$ 3,276.00	\$ 3,439.80	\$ 3,611.79	\$ 3,792.38	\$ 3,982.00
Total Security Electronics Support and Maintenance		\$ 27,069.00	\$ 28,422.45	\$ 29,843.57	\$ 31,335.75	\$ 32,902.54
DVMS Software Support and Maintenance						
Preventative Maintenance BiAnnual Schedule		\$ 10,689.00	\$ 11,223.45	\$ 11,784.62	\$ 12,373.85	\$ 12,992.55
On Call off site tech support		\$ 18,018.00	\$ 18,918.90	\$ 19,864.85	\$ 20,858.09	\$ 21,900.99
IP Camera remote diagnostics and enrollment		\$ 9,009.00	\$ 9,459.45	\$ 9,932.42	\$ 10,429.04	\$ 10,950.50
DVMS Software SMA (Genetec Advantage) 785 cameras	1	\$ 35,700.00	\$ 37,485.00	\$ 39,359.25	\$ 41,327.21	\$ 43,393.57
Version updates minor / major		\$ 3,801.00	\$ 3,991.05	\$ 4,190.50	\$ 4,400.13	\$ 4,620.14
Total DVMS Support and Maintenance		\$ 77,217.00	\$ 81,077.85	\$ 85,131.74	\$ 89,388.33	\$ 93,857.75
Cold Storage Support and Maintenance (2.5 years Retention)						
Archiver and ColdStore A (Replaced Arc7 / Nas5)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore B (Replaced Arc8 / Nas5)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore C (Will replace Arc 1 NAS 2)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore D (Will replace Arc 2 NAS 2)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore E (Will replace Arc 3 NAS 1)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore F (Will replace Arc 4 NAS 1)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore G (Will replace Arc 5 NAS 3)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore H (Will replace Arc 6 NAS 3)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore I (Will replace Arc 9 NAS 6)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore J (Will replace Arc 10 NAS 6)	4	\$ 8,160.00	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Archiver and ColdStore J (Will replace Arc 11-13, NAS 4,7) (HotStandby)	4	\$ -	\$ 2,600.00	\$ 2,730.00	\$ 2,866.50	\$ 3,009.83
Total Network Attached Storage Support and Maintenance		\$ 81,600.00	\$ 28,600.00	\$ 30,030.00	\$ 31,531.50	\$ 33,108.08
Recommended Spare Parts						
Harding Intercom Spare parts		\$ 8,715.00				
Security Electronics Spare parts			\$ 8,200.00			
DVMS spare parts			\$ 18,000.00			
NAS Parts /Extended Warranty			\$ 23,000.00	\$ 25,000.00	\$ 30,000.00	\$ 35,000.00
Place card holder TBD			\$ -	\$ 25,000.00	\$ 30,000.00	\$ 35,000.00
Cold Storage Headend repairs / replacement (allocation)			\$ 13,000.00	\$ 14,000.00	\$ 15,000.00	\$ 16,000.00
Cold Storage Hard drive replacements			\$ 4,000.00	\$ 5,000.00	\$ 6,000.00	\$ 7,000.00
Total Recommended spare parts		\$ 8,715.00	\$ 86,200.00	\$ 89,000.00	\$ 81,000.00	\$ 93,000.00
Total Support and Maintenance		\$ 184,801.00	\$ 204,300.30	\$ 214,005.31	\$ 233,255.68	\$ 252,868.37
R3 - May 10 2022						
		Year 1 (FY23)	Year 2 (FY24)	Year 3 (FY25)	Year 4 (FY26)	Year 5 (FY27)
Hardware Refresh	Warr. End / EOL					
DVMS Servers / NAS Pairing						
Directory 1	Mar-26				\$ 10,000.00	
Directory 2	Mar-26				\$ 10,000.00	
2.5 Year Retention Cold Storage Solution - NAS 1-4 7-10 Archive Servers 1-3	2 EOL Yr28	\$ 687,542.00				
(8) Archive Servers with 15-30 day hot storage						
(8) Cold Storage NAS units with 45 HD ea. - 2.5 year retention						
Nas 5 and 6 - add 33 HD ea - 2.5 year retention						
(4) Spare HD						
Installation and Configuration In existing racks						
Hot Standby Option	EOL Yr28	\$ 47,400.00				
(1) Archive Servers with 15-30 day hot storage						
(1) Cold Storage NAS unit with 10 HD						
Touchscreen Servers						
HMI Server 1	Feb-24			\$ 8,000.00		
HMI Server 2	Feb-24			\$ 8,000.00		
Touchscreen Application Version Refresh						
Cimplicity HMI 10.0 -> 11.5+ Refresh (Server)	Feb-24			\$ 85,000.00		
Status SSE 5.0 -> 6.X Refresh (Server)	Feb-24			\$ 85,000.00		
Hardware / Software Refresh Totals		\$ 734,942.00		\$ 186,000.00	\$ 20,000.00	\$ -
Yearly Totals		\$ 929,543.00	\$ 204,300.30	\$ 400,005.31	\$ 253,255.68	\$ 262,868.37
Hourly support per hour	5	\$ 140.00	\$ 147.00	\$ 154.35	\$ 162.07	\$ 170.17
5 year total		\$ 2,039,972.56				
R3 - May 10 2022						
		Year 1 (FY23)	Year 2 (FY24)	Year 3 (FY25)	Year 4 (FY26)	Year 5 (FY27)
Notes						
1. Genetec SMA is based on camera counts, increase in cameras will increase the cost of yearly SMA support. Genetec SMA provides for phone and online tech support, service release and major version upgrades as they are issued.						
2. 2.5 year retention of CCDC Control Room video changed from phased FY23/FY24 to complete FY23 solution.						
3. BiAnnual Maintenance and Inspection for Security Electronics and DVMS are staggered to provide 4 x yearly attendance on site.						
4. Represents support and quarterly maintenance. CS do not have annual manufacturers warranty extension or sma. See line item for replacement hardware						
5. CPI shown if exceeded will necessitate pricing adjustments						