

City of Aurora, IL

Network, Video, Access Control & Camera Implementation for Fire Station 9 New Building

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Submitted To:

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Submitted By:

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This proposal is valid until 04/30/2025

1. INTRODUCTION

Scientel Solutions LLC (Scientel) is pleased to present this proposal to the City of Aurora, IL (Aurora) for a comprehensive Network, Video, and Access Control implementation for Aurora's new Fire Station 9 Building. This proposal includes the equipment and services to implement and integrate the Public Works Building into the existing Aurora network as well as provide comprehensive video security and access controls for the building.

2. NETWORKING SCOPE OF WORK

Scientel will provide the following Networking services for City of Aurora:

Network Design: Scientel has designed the network to incorporate switches & APs.

Table 1: below provides the proposed AP model and quantity breakdown by the floor.

Floor	AP Qty by Model	
	432F	431F
Main Floor		6
Mezzanine		1
Rooftop	1	
TOTAL	1	7

Table 2: below provides the proposed Switch counts and quantity breakdown by location.

Location:	FS-448E-FPOE
Designated IDF/MDF/Cabinet	2

Project Kickoff:

- Scientel will provide a Project Manager to oversee the project entirely, including scheduling project kickoff, ordering of equipment, scheduling of technicians, and arranging the installation process
- Document IP Plan for network Implementation
- Determine Equipment location and any power requirements
- Determine facility access requirements and Work Hours
- Develop Acceptance Testing Plan for all phases of each implementation to determine success/fail criteria
- **Deliverable:**
 - Detailed Design Review Document encompassing above items

Procurement: Networking Equipment

Equipment Description	Qty
FortiSwitch 448E (FS-448-FPOE) (Access Switches for Data, Access Control, Video) with 1 Year FortiCare	2
FortiAP (FAP-432F) with 1 Year FortiCare	1
FortiAP (FAP-431F) with 1 Year FortiCare	7

Staging/Installation/Closeout:

- Scientel will receive, inspect, catalog, and stage all new networking hardware/equipment at our headquarters in Aurora.
- We will unbox, label and preconfigure all networking equipment prior to installation.
- Scientel will install the Fortinet Switches into the Aurora provided cabinets in the designated rooms per the technology drawings.
- Scientel will install and test all of the APs at the designated install locations.
- Scientel will connect / configure all APs/FortiSwitches to the designated FortiGate Firewall.
- Scientel will provide Aurora with a closeout package which will include:
 - Installation photos & testing results
 - Documentation with equipment information such as serial #'s, IP Addresses, login credentials, and warranty information.

Networking Specific Assumptions:

- IP Scheme to be provided by City of Aurora for all network components.
- Scientel has not included any racks in this proposal.
- No SFPs have been included in this proposal.
- Conduit and Cable runs are provided by the GC.

Management & Support:

- Network devices to be managed and supported under the ongoing network managed services agreement.

3. VIDEO SECURITY & VMS SCOPE OF WORK

Scientel will provide a comprehensive video security and a new directory/archiver at Aurora Fire Station No. 9 (75330 Eola Drive Aurora, IL 60502) that will be federated into customers' existing WDC federation system. This design includes all servers, licensing, and commissioning of cameras. These servers accommodate projected future expansion provided by Aurora. We have included 8 Enterprise camera licenses. This system has been designed to incorporate up to 60 days of video retention based on 50% motion and 20% overhead. Scientel will provide the following Video services for City of Aurora:

- **Design:**
 - Scientel has designed the Video Security field of view coverages for FS9:

First Floor FOV Design based of A1.8 Drawings:



• **Procurement (Camera Equipment & VMS Equipment/Software):**

Equipment Description - Cameras	Qty
AXIS Q6135LE/2MP/PTZ/X32/IR/IP66	1
AXIS Q3819PVE/4X5MP/180PANA/IP67	1
AXIS Q6100E/360/MULTILENS/20MP/IP66	1
AXIS T91A64 Corner Bracket	4
AXIS T91G61 Wall Mount	1
AXIS P3738PLE 4X4K 360IR AI+ IP67	3
AXIS TP1001-E Wall-and-Pole Mount	3
AXIS T94N01D Pendant Kit	3
AXIS P3267LVE/5MP/VANDOM/3-8MZ/IP66	2
SV-2040ER12-144T-12-410 Streamvault™ 2040E Series - 2U 12-Bay Appliance	1
SV-2040E-R65-D480-436 **New Product Launch** Streamvault™ 2040E Series	1
GSC-5.11 Security Center Version 5.11	1
SV-CFG-SRV-5.11 Streamvault™ Configure with Security Center 5.11.x	2
GSC-1SCFED 1 Federated Security Center 4.0 (or higher) Directory	1
GSC-BASE-E Genetec Security Center (GSC) Base Enterprise Package. Includes Synergis Enterprise Package with Access Manage support, Remote Security Desk, Badge Designer. Includes Omnicast Enterprise package with Archiving and Auxiliary Archiving support, Media R	1
GSC-Om-E-1C 1 Camera Connection	8
ADV-CAM-E-1Y Genetec Advantage for 1 Omnicast Enterprise	8

• **Staging/Installation/Closeout:**

- Scientel will receive, inspect, catalog, and stage all new hardware/equipment at our headquarters in Aurora.
- Scientel will install, aim, and focus all new cameras at the designated mounting locations per the Technology Package Drawings.
- Scientel will provision, program, and test the video server and confirm camera licensing is applied.
- Scientel will program, and test equipment to ensure desired functionality / field of views are achieved in the Genetec VMS with City of Aurora IT.
- Scientel will provide Aurora with a closeout package which will include:
 - Installation photos and Testing results
 - Documentation with equipment information such as serial #'s, IP Addresses, login credentials, and warranty information.

- **Maintenance & Support:** Video cameras to be maintained supported under the ongoing video maintenance and support agreement.

Assumptions / Exclusions Specific to Video & VMS Scope of Work:

- All work will be performed during normal business hours, Mon-Fri , 8AM-5PM.
- Scope of work allows for coordinated scheduled deployment and site access, any interruptions to project schedule may be subject to change order.
- Customer is responsible for any license or permit fees required by local ordinance
- All rough-ins, conduits, cabling and data drops provided by General Contractor.
- Tentative project schedule pending equipment lead times.
- No server racks have been included in this quote.
- No Monitor, keyboard, and mouse for workstation(s) have been included in this quote.
- Overtime (non-business hours), union labor, patching and painting.

4. ACCESS CONTROL SCOPE OF WORK

Scientel will provide a turnkey solution for an access control system at Aurora Fire Station No. 9 (75330 Eola Drive Aurora, IL 60502). This new access control system will connect back to System ID: GSC-200529-414789. Scientel has included all the required equipment, software, licensing, and commissioning in this scope of work. Scientel will work with an electrical contractor to install the required enclosures, panel, readers, and power supply. Scientel will perform the following scope of services:

Procurement (Access Control Equipment & Software):

Qty	Ref #	Description
1	SY-LP1502	Mercury Intelligent Controller, Linux Based, 8In/4Out/2Rd (Software Connections included)
3	SY-MR52-S3	Mercury MR52 2-reader interface module Series 3 (8 inputs, 6 relays, PCB only, software connections included)
1	SY-MR16IN-S3	Mercury MR16IN 16-input Monitor Module Series 3 (2
1	SY-DV8RD-E4M	LifeSafety Power - enclosure - 12V & 24VDC
3	20KNKS-00-000000	SIGNO 20K, BLK/SLVR, PIG, CRD PFL STD, MA DY, FMT:ASP10022, WIEG, 32-B MSB, EACH, 4-B MSG, NOPAR, LEN:13, FC:0, EM:32-B, LED:RED, FLSH:GRN, BZR, KBD:RED, BZR, VIS:ON, SRF:ON, IPM:OFF, VEL:OFF, TAP
1	40KNKS-00-000000	SIGNO 40, BLK/SLVR, PIG, CRD PFL STD, MA RDY, FMT:ASP10022, WIEG, 32-B MSB, EM:32B, LED:RED, FLSH:GRN, BZR, SRF:ON, IPM:OFF, VEL:OFF, TAP
4	40KNKS-00-000000	SIGNO 40K, BLK/SLVR, PIG, CRD PFL STD, MA RDY, FMT:ASP10022, WIEG, 32-B MSB, EACH, 4-B MSG, NOPAR, LEN:13, FC:0, EM:32-B, LED:RED, FLSH:GRN, BZR, KBD:RED, BZR, VIS:ON, SRF:ON, IPM:OFF, VEL:OFF, TAP
4	195-12-BL	3/4" STEEL DOOR RECESSED DPDT BLACK
26	GI-6644	GI-6644 END OF LINE RESISTOR PACK, FLYING LEADS, (2) 1KOHM (10 PACK)
1	SY-CLOUDLINK-G2	SY-CLOUDLINK-G2 Synergis Cloud Link with 4GB of RAM
8	ADV-RDR-E-5Y	Genetec™ Advantage for 1 Synergis™ Enterprise

Scope of Work – Access Control

- Install 8 card readers and connect to rexes, strikes, and door contacts built into lockset.
- Install 4 door contacts on doors without readers for door status. Terminate wiring at the panel and assist in testing once programming has been completed.

Assumptions specific to Access Control

- All work will be performed during normal business hours Mon-Fri between 7AM-5PM.
- Scope of work allows for coordinated scheduled deployment and site access, any interruptions to project schedule may be subject to change order.
- Customer is responsible for any license or permit fees required by local ordinance
- Any other networking configuration not defined in this proposal is beyond the scope of this proposal.
- All locking hardware will be provided by GC and not included in this proposal.

5. PRICING

1. Networking Pricing Breakdown:

Description	Qty	Unit Price	Ext. Price
IT Network Detailed Design, Project Management & Site Walks	1	\$3,500	\$3,500
AP Installation	8	\$1,300	\$10,400
Switch Installation	2	\$2,000	\$4,000
AP Hardware, Mounts and Extended Warranty	8	\$3,100	***Incl in Mgd Service Adjustment
Switch Hardware and Extended Warranty	2	\$6,350	***Incl in Mgd Service Adjustment

2. Video Security Pricing Breakdown:

Description	Qty	Unit Price	Ext. Price
Video Security Detailed Design, Project Management & Site Walks	1	\$4,100	\$4,100
CCTV Installation (Bucket Truck)	8	\$1,500	\$12,000
Camera Equipment & Materials	8	\$3,036	\$24,288

3. Video Server/Licensing & Access Control Equipment & Pricing Breakdown:

Description	Qty	Unit Price	Ext. Price
Access Control Equipment	8	\$2,662	\$21,296
Access Control Installation	8	\$3,378	\$27,024
VMS Server	1	\$56,678	\$56,678
VMS Camera Licenses	Lot	\$13,364	\$13,364

Pricing Summary:

Item / Description	Work Order Price
WiFi and Network Deployments (***)	\$17,900
Video Security / Situational Awareness System	\$40,388
Access Controls and VMS Solution	\$118,362
Grand Total	\$176,650

***Managed Service Adjustments (Hardware not included in Item 1. Price above)

Total Devices added as part of this project:

WiFi Access Points: 8

Network Switches: 2

Total new Devices: 10

This offer is made in accordance with the following contract currently in effect between Scientel Solutions and the City of Aurora

Item 1: Networking Upgrades is proposed under City of Aurora **Resolutions R21-136**, passed June 2021

*****Camera Maintenance & Support Adjustments (Not included in Item 2. Price above)**

With the addition of 8 new cameras, the ongoing yearly maintenance & support applicable to the existing contract, will be as follows:

8 cameras x \$500/camera/year = \$4,000

This offer is made in accordance with the following contract currently in effect between Scientel Solutions and the City of Aurora.

Item 2: Situational Awareness is proposed under City of Aurora **Resolution R21-135**, passed June 2021

6. TERMS, CONDITIONS, & ACCPETANCE

Scientel Solutions, LLC will accept a written Purchase Order (P.O.) for this work.

Scientel will provide an invoice to the City for services rendered and the City shall approve and thereafter pay any undisputed portions thereof in accordance with the Illinois Local Government Prompt Payment Act (50 ILCS 505/1 et. seq). Approved, but unpaid invoiced amounts shall accrue interest in the manner and to the extent authorized by the Act.

If the above quote and terms are accepted by the quote recipient, please indicate as requested below. The completed document may be returned to Scientel with the necessary P.O. via email at Salesorder@scientelsolutions.com

Signature: _____

Date: ____/____/____

Name (Print): _____

Title: _____