COVER PAGE

Brook Army Med Center Video Wall Upgrade

Areli Corp

Project: 1236

16A Bel Air South Parkway
Suite 102
Bel Air,MD,21015

jacob.seleem@arelicorp.com

Areli
SBA Certified 8(a) and EDWOSB

Presented By:
Systec101

11871 E 33rd Ave ,
AURORA
Colorado 80010
Murat Yildirim
admin@systec101.com
3035377575

DESCRIPTION

Samsung Video Wall System – Supply, Installation, Testing, and Commissioning1. Purpose and Overview

This project aims to provide Samsung LED video wall solution. This includes the S-Box processor, display modules, mounting hardware, power distribution, low-voltage signaling, control systems, and commissioning.

The head-end branch voltage will be 120 VAC. The S-Box will be installed at the lower-left of the video wall. The primary signal and power cabling run length from the source to the S-Box is approximately 150 ft.

The objective is to deliver a turnkey system capable of displaying a single 16:9 source from the facility’s PC via HDMI/DisplayPort through the S-Box to the video wall. Training and as-built documentation will also be provided.2. Contractor Responsibilities

The contractor will be responsible for furnishing all labor, supervision, materials, equipment, tools, lifts, and consumables necessary for a complete and operational system, unless explicitly provided by the Owner.

The contractor will also provide manufacturer engineering submittals outlining electrical, data, and structural requirements, coordinating with the Owner prior to installation. Site safety and access compliance will be maintained, and after-hours work will be coordinated with the facility when required.3. Applicable Standards and Codes

All work will be performed in accordance with the current editions of: NFPA 70 (NEC) for power and low-voltage separation; NFPA 101 (Life Safety); USACE EM 385-1-1 (safety); and all relevant industry standards and manufacturer recommendations. In cases of conflicting requirements, the more stringent standard will apply.

Facility security/access and quality assurance practices, as directed by the Owner’s representative, will be followed.4. System Design Details

- **Brand/Model:** Samsung LED video wall and Samsung S-Box (exact series to be finalized during submittals).
- **Display Size/Resolution:** Final array geometry and pixel pitch will be confirmed with the Owner during submittals, referencing the prior 16:9 single-image image operation requirement.
- **Signal Path:** The signal path will be from the Source PC (HDMI/DP) to the S-Box (located at the lower-left of the wall), and then to the Samsung LED cabinets via manufacturer-approved interconnects. The 150 ft head-end run necessitates the use of active/optical or extender-grade transport as required by manufacturer limits. All necessary extenders/converters to meet performance and distance requirements will be included.
- **Power:** 120 VAC branch circuits will support the S-Box and LED power supplies, based on Samsung load calculations. Circuits, receptacles, and conduit will adhere to NEC standards. The Owner will provide building power and pathways where applicable; the Contractor will coordinate and furnish any project-specific low-voltage pathways and display power distribution required for a complete system.

5. Detailed Scope of Work5.1 Submittals and Coordination

- Submit shop drawings, including: wall elevation, S-Box location (lower-left), device locations, cable routing, power loads, and labeling scheme. Provide cut sheets and heat/power budgets.
- Provide an installation schedule and staging plan, updating as necessary for any date shifts.

5.2 Mounting and Structural

- Furnish and install a Samsung-compatible mounting framework/rails and all associated hardware. Verify wall structure and tolerances, coordinating any reinforcement requirements with the Owner.

5.3 Power

- Coordinate with the Owner regarding 120V branch circuits serving the S-Box and LED cabinets. Install any project-specific PDU(s)/power harnesses provided for the LED system, ensuring NEC-compliant segregation from low voltage.

5.4 Cabling and Pathways

- **Head-end to S-Box (~150 ft):** Furnish and install in-conduit cabling from the source location to the S-Box. Use manufacturer-supported signal transport (e.g., active optical HDMI/DP or certified extender set) to guarantee 4K/60 (or project-specified) video performance over the stated distance. Label both ends and along the route as per the submittal.
- **S-Box to LED Cabinets:** Provide Samsung-approved interconnect cables and data topology as per Samsung engineering guidelines. Dress cables to maintain service loops and avoid power conductors.
- Provide low-voltage cable pathways and supports as needed for a neat and serviceable installation.

5.5 Safety and Site Practices

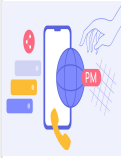
- Implement an Accident Prevention Plan (APP) and Activity Hazard Analysis (AHA) appropriate to the work. For typical AV installs and wire-pulling activities, maintain at least L3 Site Safety and Health Officer (SSHO) coverage. Elevate to L2 if work introduces higher-risk tasks (e.g., aerial lift operations).
- Observe after-hours protocols when required and keep an SSHO on-site during active work.

5.6 Testing, Commissioning, and Training

- Testing will be conducted as per project requirements.

BILL OF MATERIALS

Product Photo	UPC	Name	Total Quantity	Unit Price	Cumulative Material Price	Cumulative Labor Price	Extended Price
	LH020IFRCFS/ZA	Samsung - LH020IFRCFS/ZA - Samsung P2.0 LED Signage IF020R-F - LCD - High Dynamic Range (HDR) - 120 x 270 - Direct View LED - 1600 Nit	51 each	$1,239.20	$63,199.40	$15,300.00	$78,499.40
	SBB-CS4BPGS/GO	Samsung - SBB-CS4BPGS/GO - Samsung SBB-CS4BPGS Digital Signage Appliance - High Dynamic Range (HDR) - 2160p	1 each	$3,332.40	$3,332.40	$1,350.00	$4,682.40
	VG-LFR33FWL	Samsung - VG-LFR33FWL - Samsung IFR/IER Framekit (3x3)	1 each	$2,252.40	$2,252.40	$1,350.00	$3,602.40
	VG-LFR53FWL	Samsung - VG-LFR53FWL - Samsung Wall Signage Kit	1 each	$3,276.00	$3,276.00	$1,350.00	$4,626.00
	VG-LFR84FWL	Samsung - VG-LFR84FWL - Samsung Wall Signage Kit	1 each	$5,360.40	$5,360.40	$1,350.00	$6,710.40
	M/P	Miscellaneous parts	1	$193.80	$193.80	$3,600.00	$3,793.80
	300-3000	Lift Rental	2 each	$468.00	$936.00	$0.00	$936.00

	PM100	Project Management	1 each	$0.00	$0.00	$3,600.00	$3,600.00

Total:	$78,550.40	$27,900.00	$106,450.40

Shipping & Handling Charges:	$0.00

Sales Tax: Equipment	0 %	$0.00

Grand Total:	$106,450.40

QUOTE

11871 E 33rd Ave
Suite B AURORA
Colorado 80010
3035377575

1236
PO#
Brook Army Med Center Video Wall Upgrade
October 20, 2025

Quoted To:
Areli Corp
16A Bel Air South Parkway
Suite 102 Bel Air
MD 21015
jacob.seleem@arelicorp.com

Site/Location:
Brook Army Med Center Video Wall Upgrade

Prepared By:
Systec101
Murat Yildirim
Project Manager
admin@systec101.com
3035377575

Scope Of Work

Samsung Video Wall System – Supply, Installation, Testing, and Commissioning1. Purpose and Overview

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- Observe after-hours protocols when required and keep an SSHO on-site during active work.

5.6 Testing, Commissioning, and Training

- Testing will be conducted as per project requirements.

SYSTEC101

Bill of Materials

Product Photo	UPC	Name	Total Quantity	Ext. Material Price	Ext. Labor Price	Ext. Price
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	VG-LFR53FWL	Samsung - VG-LFR53FWL - Samsung Wall Signage Kit	1	$3,276.00	$1,350.00	$4,626.00
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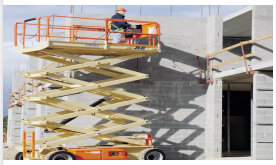
	300-3000	Lift Rental	2	$936.00	$0.00	$936.00
	PM100	Project Management	1	$0.00	$3,600.00	$3,600.00

Total:	$78,550.40	$27,900.00	$106,450.40
Shipping & Handling Charges:			$0.00
Sales Tax: Equipment	0 %		$0.00
Grand Total:			$106,450.40

Areli Corp

Date

Murat Yildirim

Date

Payment Terms

- ○ Type I 100 % after completion
- ○ Type II 50 % Down (Initial Payment) 50 % Completion (Final Payment)
- ○ Type III 30 % Down Payment, 20 % Payment after completion of 30 %, 20 % Payment after completion of 50 %, 20 % Payment after completion of 70 %, 10 % Payment at final completion.
- ○ Type IV Custom Payment

Payment Terms

Client agrees to pay for "Services" as outlined in this proposal in the Grand Total Amount of **$106,450.40** to **Systec101**
Payment to be made as follows:
Type I - 100 % after completion.

Payment Stage	Billing Percentage (%)	Amount (in USD)
Stage I	100	106450.40

Please remit the payments to **Systec101 11871 E 33rd Ave Suite B,AURORA Colorado 80010**.

If during the scope of the project client request changes or additions in system design, or a deviation from the normal scope as listed, **Systec101** will either provide a time-and-material estimate, or a not-to-exceed figure for work to be performed.

A service charge of 1.5% per month will be added to accounts past due.

SYSTEC101

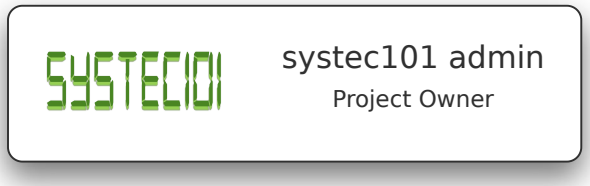
Warranty

Systec101 guarantees that it has carried out the installation work necessary for the Project to the satisfaction of the Customer. In the event of any issues or faults arising from the installation services or any customization or modification of purchased equipment that Systec101 was responsible for during the Project, Systec101 commits to rectify these problems at no additional cost to the Customer. This warranty will remain in effect for a period of 6 months from the Project's completion date.

It's important to note that Systec101's warranty specifically covers only the customization and modification aspects of the equipment used in the Project. Any issues related to the overall performance of the equipment itself fall outside the scope of this warranty. In such cases, the Customer should rely solely on the warranties provided by the equipment manufacturers for resolution of malfunctions or defects.

Should a malfunction or defect in the Project be attributed to the equipment,Systec101, within its 6 months warranty period, will provide reasonable assistance to the Customer in facilitating any warranty claims with the respective equipment manufacturers.

ORGANIZATIONAL CHART



Denver - 11871 E 33rd Ave, Unit B, Aurora CO, 80010
New York - 418 Broadway STE N Albany NY 12207
E-mail: my@systec101.com
Phone: 303-537-7575

References:

1. **Buckley Space Force Base Fiber Cabling**

Project Name: SST Fiber Cable Material and Installation

Contact Information:

CHRISTOPHER G. SMITH, CTR, Sonalysts, Inc.
SBIRS Training Support Specialist / Project Leader
Buckley SFB, CO 80011
Comm: 720-847-0532 / DSN: 847-0532
Aurora Office: 303-879-2031 ext. 5003
Mobile: 719-660-4118
NIPR: christopher.smith.366.ctr@spaceforce.mil

Industry of Organization: DOD

Project Accomplishments:

The project involved the installation of fiber optic cables outside and inside plant fiber optics.

- The initial phase consisted of a thorough survey to map out existing cabling pathways and identify optimal routes for new fiber optic cables.
- Subsequently, the team pulled and spliced fiber optic cables, establishing connections between buildings as well as between network rooms within the same building.
- The meticulous work extended to splicing individual fiber optic strands, followed by a labeling and certification process to ensure all runs met the required standards.

Completion Date: 2024

Original Contract Amount: $34,104.34

Completed Cost Amount: $34,104.34

Denver - 11871 E 33rd Ave, Unit B, Aurora CO, 80010
New York - 418 Broadway STE N Albany NY 12207
E-mail: my@systec101.com
Phone: 303-537-7575

2. Adams County School District 14

Project Name: E-Rate, Wireless Access Point Cabling, and 10GB Fiber Optic Interconnect

Contact Information:

- David Powell
  Network Administrator
  Adams County School District
  145291 East 60th Ave.
  Commerce City, CO 80022
  Cell: 303.853.3227
  dpowell@adams14.org
  www.adams14.org

Industry of Organization: County School District

Project Accomplishments:

- Successfully installed over 1000 Cat 6a cable runs and fiber uplinks, ensuring unwavering connectivity throughout the school campuses.
- Gained valuable knowledge and experience in navigating the unique complexities of a school environment, which will be instrumental in successfully executing projects.

Completion Date: 2023

Original Contract Amount: $367,994.00

Completed Cost Amount: $367,994.00

Denver - 11871 E 33rd Ave, Unit B, Aurora CO, 80010
New York - 418 Broadway STE N Albany NY 12207
E-mail: my@systec101.com
Phone: 303-537-7575

3. Rockland County Department of Social Services

Project Name: RFP-RC-2024-006 - Access Point Installation for the Department of Social Services Building L

Contact Information:

- Mark Navarro
  Network Administrator - Rockland County DSS
  50 Sanatorium Road - Building L
  Pomona, New York, 10970
  Cell: 845-364-3188
  email: mark.navarro@dfa.state.ny.us

Industry of Organization: County government office

Project Accomplishments:

- Completed the installation of network cabling for the newly implemented Wi-Fi system in the Rockland County Department of Social Services' "Access Point Installation for the Department of Social Services Building L" project (RFP-RC-2024-006).

Completion Date: 2024

Original Contract Amount: $21,340.83

Completed Cost Amount: $21,340.83

Denver - 11871 E 33rd Ave, Unit B, Aurora CO, 80010
New York - 418 Broadway STE N Albany NY 12207
E-mail: my@systec101.com
Phone: 303-537-7575

4. Trinidad State College Student Housing Cabling Upgrade Project

Project Name: TSC Cat6 Cabling (RCC)

Contact Information:

- Terry Hindsman
  Purchasing Manager
  Cell: 720-858-2772
  e-mail: terry.hindsman@cccs.edu

Industry of Organization: State College Student Housing

Project Accomplishments:

- Successfully installed over 300 Cat6 cables in student housing facilities spread across four buildings, enhancing the college's infrastructure to provide reliable and high-speed internet connectivity for students residing in these buildings.

Completion Date: 2024

Original Contract Amount: $135,716.19

Completed Cost Amount: $135,716.19

418 Broadway STE N Albany NY 12207
E-mail: my@systec101.com
Phone: 303-537-7575

References:

1. Adams County School District 14

Project Name: E-Rate, Wireless Access Point Cabling, and 10GB Fiber Optic Interconnect

Contact Information:

David PowellNetwork Administrator Adams County School District
145291 East 60th Ave. Commerce City, CO 80022
Cell: 303.853.3227 dpowell@adams14.org www.adams14.org

Industry of Organization: County School District

Project Accomplishments:

- We have successfully installed over 1000 Cat 6a cable runs and fiber uplinks, ensuring unwavering connectivity throughout the school campuses.
- Gained valuable knowledge and experience in navigating the unique complexities of a school environment, which will be instrumental in successfully executing projects.

Completion Date: 2023
Original Contract Amount: $367,994.00 Completed Cost Amount: $367,994.00

2. Rockland County Department of Social Services

Project Name: RFP-RC-2024-006 - Access Point Installation for the Department of Social Services Building L

Contact Information:

Mark Navarro Network Administrator - Rockland County DSS50 Sanatorium Road - Building L Pomona, New York, 10970
Cell: 845-364-3188 email: mark.navarro@dfa.state.ny.us

Industry of Organization: County government office.

Project Accomplishments:

- Completed the installation of network cabling for the newly implemented Wi-Fi system in the Rockland County Department of Social Services' "Access Point Installation for the Department of Social Services Building L" project (RFP-RC-2024-006).

Completion Date: 2024
Original Contract Amount: $21,340.83 Completed Cost Amount: $21,340.83

418 Broadway STE N Albany NY 12207
E-mail: my@systec101.com
Phone: 303-537-7575

3. Trinidad State College Student Housing Cabling Upgrade Project

Project Name: TSC Cat6 Cabling (RCC)

Contact Information:

Terry HindsmanPurchasing Manager
Cell: 720-858-2772 e-mail: terry.hindsman@cccs.edu

Industry of Organization: State College Student Housing

Project Accomplishments:

- Successfully installed over 300 Cat6 cables in student housing facilities spread across four buildings, enhancing the college's infrastructure to provide reliable and high-speed internet connectivity for students residing in these buildings.

Completion Date: 2024
Original Contract Amount: $135,716.19 Completed Cost Amount: $135,716.19

COMPANY INFORMATION

MURAT YILDIRIM

MY@SYSTEC101.COM | 970.646.2706

UEI: HFEHVJHCX743 | **CAGE CODE:** 9JK62
NAICS: 334111, 334112, 334210, 517111, 517112, 517121, 517122, 517121 517122 517810 518210 541512 541513 541519

SYSTEC101

SYSTEC101.COM

At Systec101, our mission is to deliver comprehensive information and communication solutions tailored to the evolving needs of businesses and educational institutions. Since our founding in 2014, we have built a reputation for excellence in copper cabling, fiber optic cabling, access control, and business phone systems. With a strong focus on structured cabling design, installation, and maintenance, we aim to ensure reliability by providing an efficient and scalable infrastructure for school districts, retail environments, and office spaces . Our commitment to quality, innovation, and customer satisfaction drives everything we do.

DIFFERENTIATORS

- BICSI Certified
- RCDD Certified
- MTA Certified
- Proprietary Web Tool!
- 20+ Years of Experience

PAST PERFORMANCE

- Adams County School District
- Kroger Aurora Facility
- Denver Apartment Complex
- Rockland County - Deparment of General Services
- Colorado Community College System (CCCS)
- TJ Maxx
- Stryker

SERVICES OFFERED

Design, Installation, troubleshooting, and maintenance of:

- FIBER OPTIC CABLING
- STRUCTURED CABLING
- BUSINESS PHONE SYSTEMS
- WIRELESS INFRASTRUCTURE
- DISTRIBUTED ANTENNA SYSTEMS

Building Industry Consulting Service International

THE PROFESSIONAL DESIGNATION OF

BICSI TECHNICIAN

IS AWARDED TO

Murat Yildirim

by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.

Designation Number: 330562

Registration Start Date: 05-01-2025

Registration End Date: 04-30-2028

BICSI TECH

Since 04-02-2019

David M. Richards, RCDD, NTS, OSP, TECH, CT
BICSI Board President

John H. Daniels, CNM, FACHE, FHIMSS
BICSI Chief Executive Officer