<u>**Action Item 4.7**</u>

Topic: **Purchase Approval – Theater Tech**

College Health: **Information Technology – The College provides secure access to**
Metric: **resources for students, faculty, staff, and the community.**

Presented By: **Dr. David Hellmich and Kathy Dirks**

Presentation:

With SVCC's "Jerry Mathis" Theater being heavily used for instruction, conferences, group presentations, and as a community theater, this area's technology has hit its end of life and needs replacement. In order to meet the needs of our end users, the College needs to purchase the following technologies: laser projector, projector screen, PTZ camera, microphones, iPad, audio mixer, audio amplifier, and networking/control systems at a total cost (including installation, setup, and programming) of $39,797.97.

Illinois Public Community College Act (110 ILCS 805) and SVCC Board Purchasing Policy (305.01) exempt contracts for the purchase and installation of IT equipment from public bid/solicitation requirements.

The equipment will be purchased from Conference Technologies, Inc, CDWG, B&H Photo, and Amazon with consortium and Education discounts applied. Additionally, Conference Technologies will install, setup, and program the technology.

Recommendation:

The administration recommends the Board approve the purchase of laser projector, projector screen, PTZ camera, microphones, iPad, audio mixer, audio amplifier, and networking/control systems from Conference Technologies, Inc, CDWG, B&H Photo, and Amazon for $39,797.97 to be paid from restricted use bond proceeds.

PROPOSAL

Sauk Valley Community College

Theater AV Upgrade

DATE

Wednesday, 07 September 2022

PREPARED BY

James Arney

Design Consultant

Overview and Goals

At Conference Technologies, Inc., we ensure our technology, processes, and people are the most knowledgeable and efficient resource to serve you as your solutions partner.

Dear Kathleen Dirks,

It was a pleasure to speak with you regarding your upcoming project. Thank you for the time to review your needs and identify your requirements. Based on our needs analysis we have developed a recommended solution for you. Conference Technologies, Inc. has the industry experience to create customized solutions to meet today's technology challenges. These solutions include consulting, design, implementation, and service.

Enclosed is a project proposal for your review and consideration that outlines scope, timelines, deliverables, and our support plan to care for your investment. After review I will contact you to discuss any questions you or your team may have about this solution. Our team is excited about the opportunity to provide you with a fantastic experience and making your project a success.

Sincerely,

James Arney
Design Consultant
Conference Technologies, Inc.
563-231-4405
James.Arney@cti.com

Scope of Work

Proposal Number: J22110129

Proposal Date: 9/7/2022

Prepared for: Sauk Valley Community College

Attn: Kathleen Dirks
Phone: (815) 288-5511
Email: kathleen.m.dirks@svcc.edu

Prepared by: James Arney
Phone: 563-231-4405
Email: James.Arney@cti.com

Bill to: Sauk Valley Community College
173 IL Route 2
Dixon, IL
61021

Ship to: Sauk Valley Community College
173 IL Route 2
Dixon, IL
61021

Video
The video system will be upgraded and replaced to provide industry-current connectivity and improved quality. A new projector will be installed and will be fed from a new video switcher in the existing rack. In conjunction with the update, the VGA plate will be removed from the stage, the wiring will be replaced, and (2) HDMI extender plates with 3.5mm audio will be installed in its place. These two sources, along with a connection for a rack PC/Laptop will be available on the aforementioned new switcher. Additionally, (2) new PTZ cameras will be installed, one for the front of the Auditorium (20x zoom camera mounted above the projector) and one for the crowd (12x zoom camera mounted at the front of the auditorium, house-left, above the stage), and will be available via USB connection for UC soft codec applications (i.e. Zoom) to the rack PC. Finally, a new motorized screen will be installed to replace the existing one.

Audio
(4) new wireless mics, two handheld and two over-ear, will be installed and will replace any existing wireless mics. Additionally, a new DSP will be installed in the AV half rack to replace the small mixer currently in said rack. The DSP will receive the wireless mic audio, the video program audio, and the (2) 3.5mm audio feeds from the stage and will output its mix to either the OFE amps or the OFE mixer, depending on client preference. Additionally, USB audio for UC soft codec applications (i.e. Zoom) will be available through this DSP to the rack PC.

Control
The DSP/Processor, mentioned above, will also provide control for the space, making the room operation easier to use for both experienced and inexperienced users. It will allow the user to turn the system on and off, control projector power, send the motorized screen up and down, adjust the wireless mic, program audio, USB audio, and stage 3.5mm audio levels, and select the system video input. The control interface will be an iPad and will be useable from anywhere within range of the new wireless access point installed on the system's closed LAN. The iPad will come with a case and a tabletop stand so it can both be held or can sit on top of the rack or in the booth.

Equipment Location
The old equipment will be removed from the AV half rack, in the Auditorium proper, and all new equipment will go in said rack. The new projector and new screen will be installed in the same locations as the existing equipment.

Your Investment

Below is the cost of this solution based on the outlined scope of work. If you have questions about the complete solution, please let us know how we can help align this investment with additional needs or changes in scope.

Proposal Summary

Description	Price
Equipment	$32,817.45
Implementation Services	$15,019.10
Subtotal	$47,836.55
Tax	$0.00
Grand Total	**$47,836.55**

Recommended

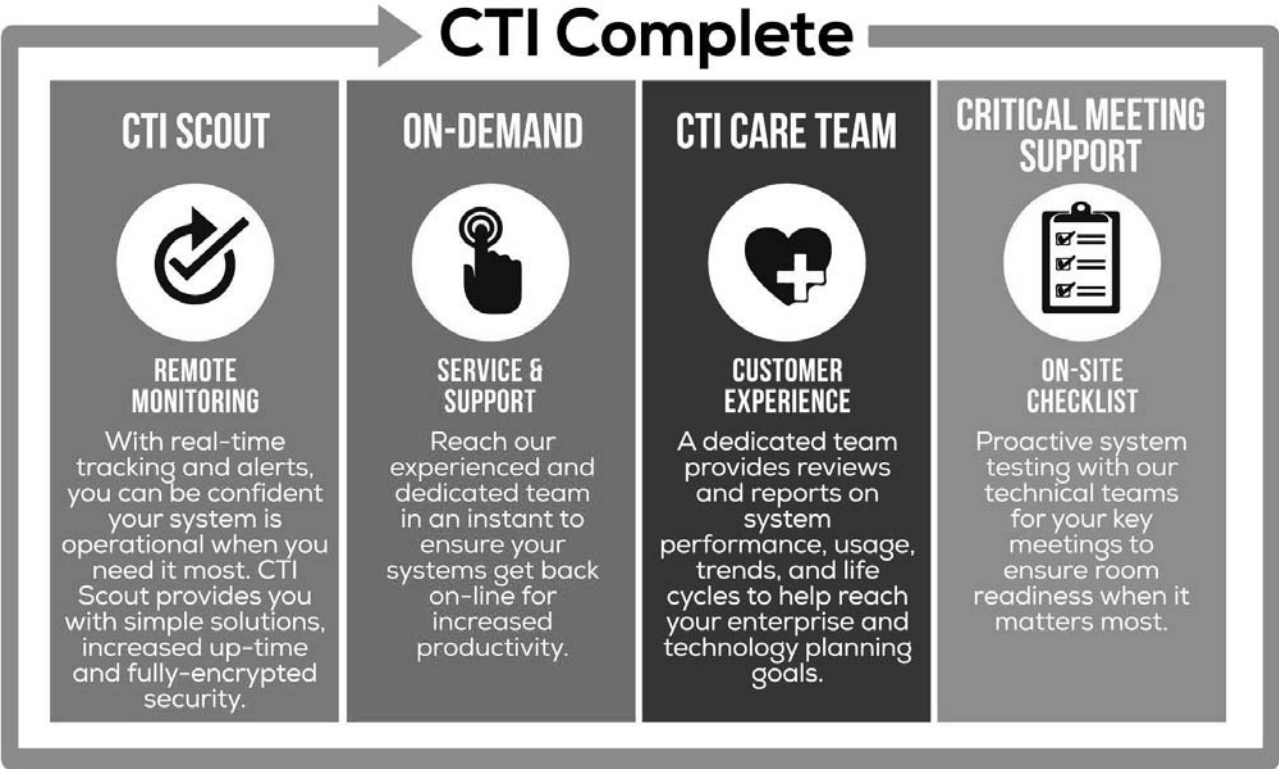| Description	Price
2 Additional Years CTI Complete Service Agreement	$4,116.04
4 Additional Years CTI Complete Service Agreement	$8,232.07

Down Payment Requirements

Terms are 60/40 with approved credit. For orders that exceed ten thousand dollars; 60% to initiate order, 40% NET 30, or progress billing based on purchase agreement at time of order. Payments made by credit card are subject to a 3.0% fee.

Why Us?

Our CTI Complete service is there for you 24/7 through our dedicated CTI Care customer experience team. Through on-site technical service, recommended programming upgrades, and quarterly reliability checks, your system is covered for the unexpected, as well as planned maintenance. Your teams will be trained to operate equipment with confidence. When critical meetings arise, we help ensure system performance with proactive system testing and an on-site checklist, so your systems will be ready when it matters most. Our managed services staff does more than diagnose and repair failures, they help plan for system life cycles.

CTI Complete

CTI SCOUT	ON-DEMAND	CTI CARE TEAM	CRITICAL MEETING SUPPORT
REMOTE MONITORING	**SERVICE & SUPPORT**	**CUSTOMER EXPERIENCE**	**ON-SITE CHECKLIST**
With real-time tracking and alerts, you can be confident your system is operational when you need it most. CTI Scout provides you with simple solutions, increased up-time and fully-encrypted security.	Reach our experienced and dedicated team in an instant to ensure your systems get back on-line for increased productivity.	A dedicated team provides reviews and reports on system performance, usage, trends, and life cycles to help reach your enterprise and technology planning goals.	Proactive system testing with our technical teams for your key meetings to ensure room readiness when it matters most.

Bill of Materials
Theater AV Upgrade

Manufacturer	P/N	Description	Qty	Unit Price	Ext. Price
General: **$2,826.25**					
QSC	NS26-300+	26-port network switch preconfigured for Q-SYS Audio, Video and Control with 24x PoE+ ports and 300 Watts PoE budget. Features advanced QoS and IGMP configuration to also support AES67 and Dante within the same VLAN.	1	$2,243.75	$2,243.75
Liberty	NWA350	WAP CEILING 11AC 2600MBPS	1	$436.25	$436.25
Global Cache	IP2CCP	iTach Wired TCP/IP to Contact Closure with PoE	1	$146.25	$146.25
PC	OFE	PC	1	$0.00	$0.00
Display Systems Equipment: **$12,608.00**					
Dalite	70281L	COSMO 208D 110X176NPA MWC	1	$3,539.25	$3,539.25
Sony	VPLFHZ85/B	7300LM WUXGA Laser Projector / Black	1	$6,875.00	$6,875.00
Sony	VPLLZ3024	2.34-3.19:1 Lens for F30/F60 series	1	$2,193.75	$2,193.75
Video Systems Equipment: **$7,406.25**					
QSC	NC-12x80	12x Optical Zoom 80Â° Horizontal Field of View, PTZ Network Camera, PoE, with HDMI and SDI output. Includes PTZ-WMB1 wall mount bracket	1	$3,368.75	$3,368.75
QSC	NC-20x60	20x Optical Zoom 60Â° Horizontal Field of View, PTZ Network Camera, PoE, with HDMI and SDI output. Includes PTZ-WMB1 wall mount bracket.	1	$4,037.50	$4,037.50
Audio Systems Equipment: **$8,415.98**					
QSC	CORE NANO	Network Core, 64x64 network I/O channels with 8x8 Software-based Dante license included, USB AV bridging, dual LAN ports, VoIP telephony, 8 AEC	1	$1,562.50	$1,562.50

		processors, Half-size 1RU.			
QSC	SLMST-8N-P	Q-SYS Core 8 Flex, Core Nano, NV-32-H (Core Capable) license for Microsoft Teams Room software features, enables both Q-SYS Scripting and UCI Deployment, Perpetual	1	$252.50	$252.50
QSC	QIO-ML4i	Q-SYS peripheral providing 4 mic/line inputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.	3	$531.25	$1,593.75
QSC	QIO-L4o	Q-SYS peripheral providing 4 line outputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.	1	$406.25	$406.25
QSC	QIO-RMK	Rack mount tray and blanking panels to mount up to four QIO units in a 1U 19" standard rack format.	1	$133.75	$133.75
mixer	OFE	24 ch mixer	1	$0.00	$0.00
Amp	OFE	Amplifier	1	$0.00	$0.00
Sennheiser	EW-D ASA (Q-R-S)	Active antenna splitter (dual 1;4) with DC power distribution for EW-D receivers. Includes (1) NT 12-35 CS power supply and (8) BNC cables (470-706 MHz MHz)	1	$538.88	$538.88
Sennheiser	GA 3	Rack Mount Kit	1	$49.94	$49.94
Sennheiser	AM 2	Antenna Extension	1	$62.44	$62.44
Sennheiser	EW-D 835-S SET (Q1-6)	Digital wireless handheld set. Includes (1) EW-D EM digital 19 1/2" single channel receiver , (1) EW-D SKM? digital handheld transmitter with mute switch, (1) MMD 835? microphone module, (1) MZQ1? microphone clip, (1) NT 12-5 CW+ power supply with country adapters?, (1) rack mount kit and AA batteries, frequency range: (470 - 526 MHz)	2	$628.88	$1,257.76

Sennheiser	EW-D ME3 SET (Q1-6)	Digital wireless headmic set. Includes (1) EW-D EM digital 19 1/2" single channel receiver, (1) EW-D SK Digital bodypack transmitter, (1) new ME 3 headmic (cardioid, condenser), (1) NT 12-5 CW+ power supply with country adapters, (1) rack mount kit and AA batteries, frequency range: (470 - 526 MHz)	2	$673.88	$1,347.76
Liberty	DL-1H1A-WPKT-W	70M HDBT HDMI EXTENDER SET	2	$255.74	$511.48
RADIO DESIGN LABS	TX-J2	Unbalanced Input Transformer	3	$68.45	$205.35
AVPro Edge	AC-MX-42	18Gbps True 4K60 4:4:4, 4x2 Matrix & Auto Switch/AVR Bypass	1	$493.62	$493.62
Control Systems Equipment: **$1,419.99**					
Apple	MK2K3LL/A	Apple 10.2-inch iPad Wi-Fi - 9th generation - tablet - 64 GB - 10.2"	1	$419.99	$419.99
Iport	LUXE-Case	IPORT - LUXE - Case	1	$437.50	$437.50
Iport	LUXE-Base Station	IPORT - LUXE - BaseStation	1	$562.50	$562.50
Rack Accessories and Furniture: **$140.98**					
Furman	M-8x2	Rack Mount Power	2	$70.49	$140.98

Standard Disclaimer

Conference Technologies, Inc. provides for twelve (12) months of **CTI Complete** on all system purchases. Conference Technologies, Inc. warrants the system implemented is free from defects in material and workmanship, in accordance with the contract, drawings, specifications, alterations and additions thereto, for a period of twelve (12) months from the date of commencement of use, substantial completion, or date of notice of completion, whichever occurs first. This coverage does not protect against consumables, severe weather, and acts of God.

Terms

Terms are NET 30 with approved credit. For orders that exceed ten thousand dollars; 60% to initiate order, 40% upon completion, or progress billing based on purchase agreement at time of order. Payments made by credit card are subject to a 3.0% fee.

All applicable taxes are the responsibility of the purchaser and will be added to the final invoice. Any cancelled orders or returns are subject to manufacturer acceptance; shipping and restocking fees may apply. This proposal is valid for fourteen (14) days.

Installation Description and Requirements

Provided by Conference Technologies, Inc.: If installation is purchased, Conference Technologies, Inc. will install all A/V components. Conference Technologies, Inc. will also perform all programming, alignments, and end-user training. Conference Technologies, Inc. will provide A/V project management, and provide drawings as required. This install price assumes a Monday through Friday 8:00am to 5:00pm install time. Room availability must be in consecutive 8-hour blocks. Any required changes or rushes may affect the final price.

Provided by Others

Electrical requirements are to be provided by others unless specifically included in Conference Technologies, Inc. Scope of Work.

Statement

This system proposal is the property of Conference Technologies, Inc. and is delivered with the sole intent of being viewed by management of Sauk Valley Community College for evaluation purposes only. This proposal or any part of this proposal is not to be presented to, or viewed by any other party, vendor or Conference Technologies, Inc. competitor without the written consent of Conference Technologies, Inc. Any effort to do so will be considered a violation of copyright law.

Next Steps

1. Upon Notice to Proceed, Conference Technologies, Inc. will begin executing the project plan with an internal handoff of the project to our operations team.

2. If you have questions about the process as we move forward, please contact me at James.Arney@cti.com or 563-231-4405.

3. You will be contacted by a Conference Technologies, Inc. Project Manager to schedule a project kickoff meeting to review the project scope and schedule.

Total
J22110129 - $47,836.55

Customer Signature

CTI Signature

Printed Name

Printed Name

Title

Title

Date

Date

Review and Complete Purchase

KATHY DIRKS,

Thank you for considering CDW•G for your technology needs. The details of your quote are below. **If you are an eProcurement or single sign on customer, please log into your system to access the CDW site.** You can search for your quote to retrieve and transfer back into your system for processing.

For all other customers, click below to convert your quote to an order.

Convert Quote to Order

ACCOUNT MANAGER NOTES:	Here you go! Thank you, Marty Mangan CDW-G The Right Technology. Right Away. Toll-Free: (866) 723-3280 Fax: (847) 968-1333 Email: martman@cdw.com

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
1C8Z45M	**10/17/2022**	**THEATER**	**0809084**	**$2,743.25**

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Apple 10.2-inch iPad Wi-Fi - 9th generation - tablet - 64 GB - 10.2" Mfg. Part#: MK2K3LL/A Contract: IPHEC D1702TMS Apple Microcomp (D1702TMS)	1	6698840	$296.01	$296.01
iPort LUXE CASE - back cover for tablet Mfg. Part#: QDL-71017 Contract: IPHEC IPHEC2011 Computer Components - Catalog (IPHEC2011)	1	6517476	$337.70	$337.70
AXIS V5925 - network surveillance camera Mfg. Part#: 01966-004 Contract: E&I CNR01439 Catalog (CNR01439)	1	6253525	$2,109.54	$2,109.54

SUBTOTAL	$2,743.25
SHIPPING	$0.00
SALES TAX	$0.00
GRAND TOTAL	$2,743.25

PURCHASER BILLING INFO	DELIVER TO

Billing Address: SAUK VALLEY COMMUNITY COLLEGE ACCTS PAYABLE 173 IL ROUTE 2 DIXON, IL 61021-9188 **Phone:** (815) 288-5511 **Payment Terms:** Request Terms	**Shipping Address:** SAUK VALLEY COMMUNITY COLLEGE ATTN:KATHY DIRKS 173 IL ROUTE 2 ATTN: KATHY DIRKS DIXON, IL 61021-9188 **Phone:** (815) 288-5511 **Shipping Method:** UPS Ground (1- 2 day)
	Please remit payments to:
	CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515

Sales Contact Info

CDWG Account Team - Tyler and Marty |(866) 723-3280 |
tylerandmarty@cdwg.com

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This order is subject to CDW's Terms and Conditions of Sales and Service Projects at

http://www.cdwg.com/content/terms-conditions/product-sales.aspx

For more information, contact a CDW account manager

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Wish List: **Default**
Creator: **Kathleen Dirks**
Total Value: **$9,680.58**

Sennheiser EW-D 835-S SET Digital Wireless Handheld ...

★★★★★ 2

$603.72

B&H # SEEWD835SQ16 - MFR # EW-D 835-S SET (Q1-6)

QTY needed

2 ⌄   Purchased
            0 of **2**

Sennheiser EW-D ME3 SET Digital Wireless Cardioid Hea...

★★★★★ 0

$646.92

B&H # SEEWDME3Q16 - MFR # EW-D ME3 SET (Q1-6)

QTY needed

2 ⌄   Purchased
            0 of **2**

Sony VPL-FHZ85 7300-Lumen WUXGA 3LCD Laser Proje...

★★★★★ 0

$5,940.00

B&H # SOVPLFHZ85B - MFR # VPLFHZ85/B

QTY needed

1 ⌄   Purchased
            0 of **1**

Sony VPLL-3024 Fixed Short Throw Lens (2.34:1 to 3.19:1)

★★★★★ 0

$1,895.40

B&H # SOVPLLZ3024 - MFR # VPLL-Z3024

QTY needed

1 ⌄   Purchased
            0 of **1**

Sennheiser EW-D ASA 4-Way Active Antenna Splitter wit...

★★★★★ 0

$517.32

B&H # SEEWDASAQRS - MFR # EW-D ASA (Q-R-S)

QTY needed

1 ⌄   Purchased
            0 of **1**

Sennheiser GA 3 Rackmount Kit for EW G3 and G4 Serie...

★★★★★ 14

$34.02

B&H # SEGA3 - MFR # GA 3

QTY needed

1 ▾   Purchased
             0 of 1

Sennheiser AM 2 Antenna Front-Mount Kit for EW and E...

★★★★★ 3

$43.20

B&H # SEAM2 - MFR # AM 2

QTY needed

1 ▾   Purchased
             0 of 1