

FINAL REPORT
COMMUNICATION TECHNOLOGY COMMITTEE
PITTCON 2020
John Varine – Chair John Sember – Chair-Elect

Initial Communication Technology Activity

- July, 2019 - The individual committee Communication Technology order forms were updated for 2020.
- Sept. 26, 2019 – The procedure for completing the 2020 CT order forms was explained at the CCE meeting. Information about Wi-Fi at McCormack Place was also discussed
- Mid-October – 2020 CT order forms were sent out to the committees that usually order CT items. The requested return date was Nov. 15, 2019.
- Mid-January - John Sember & John Varine combined all the individual 2020 o minimize cost CT orders into a single file to be sent to Smart Source for quotes.
- Mid-January – individual committees that requested CT items from Smart Source were asked to provide room diagrams that showed the location of the CT items ordered.
- Feb. 13, 2020 – Quotes for all the CT Smart Source orders were received.
- Jan. 16, 2020 – At the General Committee Meeting, the following CT items were discussed:
 - Wireless Internet access at McCormack Place
 - Installation schedule for all CT items
 - Galaxy tablets for Floor Managers and Information Booths
 - Reminder that all committee and CWS staff should download and become familiar with the Mobile App.

Computer Equipment and Labor Summary

Computer and peripheral orders were place with Smartsource Rentals in accordance with requests submitted by committee chairmen. Details (by committee) are included in Attachment 3.

Union labor for computer and network installation was ordered by Smartsource personnel. Efforts to minimize costs included:

- All installations completed on weekdays at straight time labor rates
- Installation schedule arranged to minimize union labor hours. Two installation crews, each directed by a Smartsource technician were deployed.
- The Nexus theater required a union operator to be present during the presentations. The labor call was adjusted according to the schedule of presentations.

Budget vs Actual-Computer Equipment and Labor

Equipment Rental (includes Smartsource personnel expenses)

- Budget: \$50,000.00
- Actual: \$38,844.99
- +Over/-Under: -\$11,155.01

Local labor (includes union electricians, operators)

- Budget: \$15,000
- Actual: \$24,555.86
- +Over/-Under: +\$9,555.86

Support to Employment Bureau

Data management, scheduling and employer/candidate communication is conducted utilizing a custom program developed by 4C Technologies, written on the IBM Notes (now HCL Notes) platform. The program was introduced in 2003, with functional enhancements added over time. The current version of the program includes the following functions

- On line registration for employers and job seekers (linked from the Employment section of the Pittcon website)
- Assignment of a unique identification number for Employers and Candidates
- A searchable database for all Employer and Candidate profile information
- Interview scheduling and booth assignments
- Email notification of scheduled interviews to Employers and Candidates
- Text notification of scheduled interviews to Candidates (provided a cell phone number is provided)
- Pathway for Employers and Candidates to correspond via email

2020 Timeline

- December 15, 2019- Archive 2019 EB database, Develop 2020 database (G3 Edge). The following parameters were set in the system default section (Dom2/PittconX/Technical Program/TPAdmin 20/System Defaults/Employment Bureau):
 - Booths: 24
 - Show list of all candidates date: 02/29/2020
 - Show list of all employers date: 08/29/2020
 - Early access to candidates date: 02/14/2020
- December 15, 2020-Revised candidate and employer instructions, and booth rental contract (revised by Employment Chairman) saved in the following directories:
 - D:\lotus\domino\data\employmentbureau\Candidate Instructions.pdf
 - D:\lotus\domino\data\employmentbureau\Employer Instructions.pdf
 - D:\lotus\domino\data\employmentbureau\booth rental contract.pdf
- December 15, 2019-Jan 15, 2020-Test EB program functions – CT and EB Committee members
- January 20, 2020- Employment pages on Pittcon website go “live’ with links to Employer and Candidate instruction and registration pages
- February 14, 2020- All Employers who opt in to the two week candidate preview are activated in the database
- February 18, 2020 – Update EB2 (backup server) to accommodate replicating of the EB database during conference week operations (G3Edge)
- January 20 – Mar 5, 2020- Assign booth numbers to employers opting for deluxe and standard paid interview booths

Internet Service-McCormick Place

Internet services provided within McCormick Place were ordered through Pedro Larios, Customer Service Manager, Telecommunications. The initial meeting was held via conference call, Sept, 10, 2019, with the following agenda:

1. Infrastructure changes/upgrades since 2017
2. Service on/off dates

3. Meeting rooms, show management and function space (list attached)
 - a. Wifi coverage
 - b. Any areas not serviced?
4. Sitewide wireless internet service
 - a. Complimentary bandwidth
 - b. Buyout options and cost to increase bandwidth
 - c. West Hall expo floor coverage
 - d. Broadcast bands 2.4 vs 5 GHz
5. WiFi sponsorship-splash page and redirect
6. SSID-prefer one SSID sitewide
7. User logon-prefer open network
8. Show management price schedule for ethernet connections,VLANs, IP addresses
9. Installation/dismantle labor
 - a. Governing rules and jurisdictions
 - b. Labor contact
 - c. Labor ordering procedures
10. Order deadlines and premium for on site orders?
11. Experient (Registration Vendor) – direct contact for installation requirements
12. Exhibitor Service Manual order forms and electronic order procedures for Internet Services

The following hard wired connections were submitted:

Function	Location	Type	Connected Hardware
Employment Bureau	W Hall Expo Floor Employment Bureau	Internet	(1) Server (20) PC (10) Printer
Registration - main	W Hall Expo Registration	Internet/Reg VLAN	See Experient Spec Document
Registration - Short Course Satellite	S100C	Reg VLAN	(1) PC (1) Printer
Registration - Press Office Satellite	W192ABC	Reg VLAN	(1) PC (1) Printer
Registration-Lead Retrieval	W Hall Expo Registration	Reg VLAN	(8) PC
Expo Mgmt Office	Expo Floor Booth 1132	Internet	(1) PC (1) Printer
Tech Hub	Expo Floor Booth 4229	Internet	(4) OC (1) printer
^^	^^	^^^^^^^^^^^^^^^^^^^^	^^
Wireless Service	All public space, meeting rooms and W Hall Expo Floor 1.5 mbps service		
Wireless landing page URL	https://www.chemplex.com/pittcon2020		

Internet Service Cost Breakdown:

- Wireless Buyout Package: \$19,706.00
- Wired Connections: \$14,500.00
- Total: \$34,206.00

The final cost of internet services provided by McCormick Place was \$35, 206.00.

Budget vs. Actual-Internet Services

- 2020 Budget-\$40,700
- 2020 Actual-\$34,206.00
- +Over/-Under: -\$6,494.00

The final internet expense is included in the McCormick Place master invoice.

Internet Performance

All areas of McCormick Place including the expo floor, meeting rooms and public spaces had acceptable internet service. A small number of service complaints were noted. In most cases the service complaint was traced to individual devices with single band wireless adapters or user errors that were corrected on an as needed basis.

Recommendations

The services that were ordered for Pittcon 2021 proved to adequate for all functions requiring internet connectivity. The assumptions and performance data can be used as a model for future sites.

Tech Hub and Mobile App Access

Due to the introduction of the new Pittcon 2020 Mobile App and the observed trends in the use of the traditional Internet Café's and Product/Program Locators, several changes were made in the functionality of these areas. The primary goal was to provide convenient access to the mobile app for attendees that use mobile devices on site, and to provide for a minimal number of computers and printers for general internet access.

Two areas were designed and located to provide access to devices:

- West Hall main lobby – adjacent to technical program area and strategically located near bus dropoff point
- Tech Hub – located within Pittcon Park on the exposition floor

Both areas were equipped as follows:

- (2) Giant i-Tabs-touch screen operating on the Android platform, programmed to can print provide exclusive access to the Pittcon Mobile App
- (1) PC – Programmed with Site Kiosk software to provide exclusive access to the web version of the Technical Program and Exposition information. Users can print personal agenda
- (1) PC – Unrestricted access to the internet
- (1) Printer – shared to both PC's

Recommendations

1. Usage of the Giant i-Tabs was steady in both areas, however rarely were both in use at the same time. Alternate locations (e.g. Registration or other high traffic areas) should be considered for future sites.
2. The structure and functionality of the Mobile App should be re-evaluated for Pittcon 2021 and beyond. Several comments were received from Committee and attendees have been recorded within the Mobile App Team folder (Office 365 Teams App).



Mobile App Access and Attendee Surveys-Samsung Tablets

(12) Samsung Galaxy Tab E (android) tablets were purchased prior to Pittcon 2019. These were used to display the Pittcon 2021 Mobile App and to complete an online survey of attendees and exhibitors. The tablets were deployed to the following committees:

- Expo (floor manager booths) 5
- Pittcon 2010 booth (4)
- Information booths (3).

The devices performed satisfactorily for both functions.

Attachment 1

McCormick Place Internet Service Cost Breakdown

Func Area	Location	Sub Area	VLAN Drop	\$ Port HUB	Config	Bandwidth	Firewall	ADD Static IP	NOTE
			\$ 500.00	\$ 100.00			\$ 500.00	15 Included - \$150 each	
Building	Room Number	Name, ex. Registration							
HALL	Booth Number								
F Hall	?	Employment Bureau	1		VLAN Employ	3mbps	1	N/A - DHCP	
F Hall	Booth #1122	Expo Management Office	1		VLAN INT	1mbps	?	?	
F Hall	Booth #4229	Tech Hub	1		VLAN INT	1mbps	?	?	
West	Concourse	Registration - Experient Office	1		VLAN REG	5mbps	1	N/A - DHCP	
		Office Dry Origin	1		VLAN EXP/DRY	Flat		N/A - Flat	
		Badge Assistance	LABOR		VLAN EXP/DRY	Flat		N/A - Flat	
		Pre Badge	LABOR		VLAN EXP/DRY	Flat		N/A - Flat	
		Self Registration	LABOR		VLAN EXP/DRY	Flat		N/A - Flat	
West	Concourse	Lead Retrieval	1		VLAN EXP/DRY	Flat		N/A - Flat	
West	Concourse	Self Reg Pods	3		VLAN EXP/DRY	Flat		N/A - Flat	
West	W192ABC	Press Registration	1		VLAN EXP/DRY	Flat		N/A - Flat	
South	S100c	Short Course Room	1		VLAN EXP/DRY	Flat		N/A - Flat	
Wired Totals			11			10mbps/12mbps	2		
			\$ 5,500.00			\$ 8,000.00	\$ 1,000.00		\$ 14,500.00
Wireless Buyout	Full - Public Space / Meeting Rooms / Exhibit Hall					1.5mbps			\$19,706.00
	SSID:								
	Redirect:								
									\$ 34,206.00

FY20 Bandwidth Rates	
Speed (Mbps)	Show Management
6	\$6,400.00
12	\$8,000.00
15	\$9,600.00
20	\$12,400.00
25	\$15,200.00
30	\$18,000.00

VLAN	Bandwidth	Config
VLAN INT	2mbps	Static
VLAN Employ	3mbps	DHCP /Fire
VLAN REG	5mbps	DHCP /Fire
VLAN EXP/DRY	DRY	FLAT

Attachment 2
McCormick Place Internet Expense

McCormick Place/SMG
301 E. Cermak Road
3rd Floor
Chicago, IL 60616

PHONE: (312) 791-7000
 FAX: (312) 791-6543



INVOICE

INVOICE NUMBER
103735

INVOICE DATE
3/27/2020

Page:
 1

BILL TO

Pittsburgh Conference on Analytical Chemistry
 300 Penn Center Boulevard
 Suite 332
 Pittsburgh, PA 15235-5503

CUSTOMER NUMBER	TERMS	DUE DATE
PIT01	DUE IN 30 DAYS	4/26/2020

DESCRIPTION	AMOUNT
021986 PITTCN 02/25/2020 To 03/06/2020	
Facility Rental-Meeting Rooms	200,500.00
Facility Rental-Exhibit Halls	253,000.00
Facility Rental-Discount	-153,500.00
Meeting Room-Equipment Billed	1,930.00
ASUV Program-Teamsters Billed	1,253.00
ASUV Program-Traffic and Patron Services Billed	624.00
Fire Safety-EMT Billed	4,212.00
Set Change-Cleaning Billed	632.50
Gross Contracted Telephn. Sale	1,482.00
Electrical, Lighting and Audio	34,048.00
Gross Cntrctd Internet Service	35,206.00
Advertising Income	5,700.00
A/P-7%-City Telecom Tax	2,568.16
A/P-7.5%-State Telecom Tax	2,751.60
Applied Deposit	-300,000.00

Federal Tax ID# 36-6009091

Invoices over \$10,000 paid by credit card are subject to a 2.5% processing fee. The processing fee on this invoice would be \$2,260.18 bringing the payment due to \$92,667.44. To avoid the fee please remit payment by wire or check.

FOR QUESTIONS, CONTACT THE FINANCE DEPARTMENT AT (312) 791-6496.

Please remit Payment to:

Attn: Finance Department
 301 East Cermak Road
 3rd Floor
 Chicago, IL 60616

Total:	\$90,407.26
Tax Total:	0.00
Total Invoice Amt	\$90,407.26

Attachment 3
Smartsource Final Invoices

#

Rental Invoice

 Invoice Date: Fri 2/28/20
 Customer ID: 10034401
 Rental Agreement No: 212035448
 Fulfilling Branch: Chicago
 Invoice No: 712038421
 Project Code: PITT0320

Bill To

 The Pittsburgh Conference
 Accounts Payable
 300 Penn Center Blvd
 Suite 332
 Pittsburgh, PA 15235-5503
 Phone: 412-825-3220

Ship To

 McCormick Place West
 John Sember
 2301 South Lake Street
 c/o PITTCON
 Chicago, IL 60616

P.O. No.	Reference	Billing Period	Sales Rep.
Terms		2/28/20-3/4/20	Vicki Lepore-SSEI
Rental Item Detail			

Qty	Description	Rate	Total Charge
Expo Office			
Booth 3252			
1	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$215.00
1	DELL P190S 19" LCD Display Black	\$25.00	\$25.00
1	NETGEAR 16 port Gigabit Switch	\$45.00	\$45.00
1	HP P4015N 50ppm Laser Printer	\$165.00	\$165.00
			Booth 3252 Total: \$292.50
			Expo Office Total: \$292.50
Program Office			
W180			
5	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$1,075.00
5	DELL P190S 19" LCD Display Black	\$25.00	\$125.00
1	NETGEAR 16 port Gigabit Switch	\$45.00	\$45.00
1	HP M630F 60ppm B&W Copier	\$695.00	\$695.00
1	DELL E6520 i7-Quad 2.2 8/500 15.6"	\$155.00	\$155.00
3	HP P4015N 50ppm Laser Printer	\$165.00	\$495.00
5	TPLINK AC 1200 Wireless USB Adapter	\$25.00	\$125.00
			W180 Total: \$1,764.75
			Program Office Total: \$1,764.75
Security			
W476			
1	SAMSUNG 40" LED Monitor/TV 1920x1080	\$450.00	\$450.00
			W476 Total: \$292.50
			Security Total: \$292.50

Damage waiver charge includes loss coverage, if loss coverage was selected on the Agreement.

Method of payments accepted: Check, ACH, Wire. If paid by major Credit Card a 3% surcharge will be added to total pre-taxed order.

Please remit payment to:

 SmartSource Rentals
 P.O. Box 289
 Laurel, NY 11948

Terms: Net Upon Receipt

 Billing Inquiries: (631) 670-8990
 Remittance advice: ar@smartsourcerentals.com
 Preferred Method of payment: ACH or Wire
 SmartSource Rentals Tax ID #112700962

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 Chicago, IL 60616

P.O. No.	Reference	Billing Period	Sales Rep.
Term		2/28/20-3/4/20	Vicki Lepore-SSET
Rental Item Detail			

Qty	Description	Rate	Total Charge
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Employment
Opposite Registration

14	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$3,010.00
14	DELL P190S 19" LCD Display Black	\$25.00	\$350.00
3	NETGEAR 24 Port Gigabit Switch Rack Mt	\$105.00	\$315.00
1	Nighthawk Tri Band Router WiFi AC4000	\$75.00	\$75.00
7	HP P4015N 50ppm Laser Printer	\$165.00	\$1,155.00

Opposite Registration Total: \$3,188.25
Employment Total: \$3,188.25
Treasurer
W376

1	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$215.00
1	DELL P190S 19" LCD Display Black	\$25.00	\$25.00
1	HP P4015N 50ppm Laser Printer	\$165.00	\$165.00
1	TPLINK AC 1200 Wireless USB Adapter	\$25.00	\$25.00

W376 Total: \$279.50
Treasurer Total: \$279.50
Product Locator #1
West Hall Lobby

2	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$430.00
2	DELL P190S 19" LCD Display Black	\$25.00	\$50.00
1	NETGEAR 16 port Gigabit Switch	\$45.00	\$45.00
2	Giant iTab 27" Touchscreen	\$1,580.00	\$3,160.00
1	iTab Core Android OS Media Box	\$0.00	\$0.00

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Method of payments accepted: Check, ACH, Wire. If paid by major Credit Card a 3% surcharge will be added to total pre-taxed order.

Please remit payment to:
SmartSource Rentals
 P.O. Box 289
 Laurel, NY 11948

Terms: Net Upon Receipt

 Billing Inquiries: (631) 670-8990
 Remittance advice: ar@smartsourcerentals.com
 Preferred Method of payment: ACH or Wire
 SmartSource Rentals Tax ID #112700962

Rental Invoice

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 c/o PITTCO
 Chicago, IL 60616

P.O. No.	Reference	Billing Period	Sales Rep.
Terms		2/28/20-3/1/20	Vicki Lepore-SSEI
Rental Item Detail			

Qty	Description	Rate	Total Charge
2	TPLINK AC 1200 Wireless USB Adapter	\$25.00	\$50.00
1	HP P4015N 50ppm Laser Printer	\$165.00	\$165.00
			West Hall Lobby Total: \$2,535.00
			Product Locator #1 Total: \$2,535.00
Short Course Computer Lab			
S100a			
24	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$5,160.00
24	DELL P190S 19" LCD Display Black	\$25.00	\$600.00
24	TPLINK AC 1200 Wireless USB Adapter	\$25.00	\$600.00
			S100a Total: \$4,134.00
			Short Course Computer Lab Total: \$4,134.00
Short Course Office			
S100c			
1	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$215.00
1	DELL P190S 19" LCD Display Black	\$25.00	\$25.00
1	SHARP MX-5141N 51ppm Color Copier	\$1,345.00	\$1,345.00
1	TPLINK AC 1200 Wireless USB Adapter	\$25.00	\$25.00
			S100c Total: \$1,046.50
			Short Course Office Total: \$1,046.50
Product Locator #2			
Tech Hub in Park			
2	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$430.00
2	DELL P190S 19" LCD Display Black	\$25.00	\$50.00
2	TP-LINK Dual Band WiFi N600 USB Adapter	\$25.00	\$50.00

Damage waiver charge includes loss coverage, if loss coverage was selected on the Agreement.

Method of payments accepted: Check, ACH, Wire. If paid by major Credit Card a 3% surcharge will be added to total pre-taxed order.

Please remit payment to:

 SmartSource Rentals
 P.O. Box 289
 Laurel, NY 11948

Terms: Net Upon Receipt

Billing Inquiries: (631) 670-8990

Remittance advice: ar@smartsourcerentals.com

Preferred Method of payment: ACH or Wire

SmartSource Rentals Tax ID #112700962

Rental Invoice

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P.O. No.	Reference	Billing Period	Sales Rep.
Terms		2/28/20-3/4/20	Vicki Lepore-SSET

Rental Item Detail			
Qty	Description	Rate	Total Charge
1	NETGEAR 16 port Gigabit Switch	\$45.00	\$45.00
2	Giant iTab 27" Touchscreen	\$1,580.00	\$3,160.00
2	iTab Core Android OS Media Box	\$0.00	\$0.00
1	HP P4015N 50ppm Laser Printer	\$165.00	\$165.00
2	TPLINK AC 1200 Wireless USB Adapter	\$25.00	\$50.00
			Tech Hub in Park Total: \$2,567.50
			Product Locator #2 Total: \$2,567.50
Publicity			
W192abc			
6	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$1,290.00
6	DELL P190S 19" LCD Display Black	\$25.00	\$150.00
1	DELL E6520 i7-Quad 2.2 8/500 15.6"	\$155.00	\$155.00
1	APPLE USB-C To Gigabit Ethernet Adapter	\$0.00	\$0.00
6	TPLINK AC 1200 Wireless USB Adapter	\$25.00	\$150.00
2	HP P4015N 50ppm Laser Printer	\$165.00	\$330.00
1	HP M553DN 40PPM Color Laser Printer	\$315.00	\$315.00
			W192abc Total: \$1,553.50
			Publicity Total: \$1,553.50
Pittcon Marketing Booth			
In Park			
2	SAMSUNG 40" LED Monitor/TV 1920x1080	\$450.00	\$900.00
1	SAMSUNG 3D Blu-Ray Disc Player/DVDR	\$105.00	\$105.00
1	EXTRON Dist Amp HDMI DA4 1 to 4	\$70.00	\$70.00

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P.O. No.	Reference	Billing Period	Sales Rep.
Terms		2/28/20-3/4/20	Vicki Lepore-SSEI

Rental Item Detail		Rate	Total Charge
Qty	Description		
1	PREMIER Lightweight 72" Dual Post Stand	\$115.00	\$115.00
1	LENOVO M900 i7 QC/2.8GHz 8GB/128SSD	\$180.00	\$180.00
			In Park Total: \$890.50
			Pittcon Marketing Booth Total: \$890.50
International Visitors			
Between Reg. & Employ			
1	DELL 7040 SFF i7 QC/3.4GHz 16GB/1TB	\$215.00	\$215.00
1	MS Office 2016 Professional Plus	\$32.00	\$32.00
1	DELL P190S 19" LCD Display Black	\$25.00	\$25.00
1	TPLINK AC 1200 Wireless USB Adapter	\$25.00	\$25.00
1	HP P4015N 50ppm Laser Printer	\$165.00	\$165.00
			Between Reg. & Employ Total: \$311.50
			International Visitors Total: \$311.50
1	AV Display Cart 54" w/Electric and skirt	\$70.00	\$70.00
1	USB 3.0 to GB Ethernet NIC Network Adapt	\$0.00	\$0.00
	Transportation to Customer		\$750.00
	Transportation from Customer		\$750.00
	Damage Waiver		\$1,230.19
	Discount		(\$10,136.00)

Subtotal:	\$21,656.19
Tax:	\$1,703.34
Total:	\$23,359.53

Damage waiver charge includes loss coverage, if loss coverage was selected on the Agreement.

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 SmartSource Rentals
 P.O. Box 289
 Laurel, NY 11948

Terms: Net Upon Receipt

 Billing Inquiries: (631) 670-8990
 Remittance advice: ar@smartsourcerentals.com
 Preferred Method of payment: ACH or Wire
 SmartSource Rentals Tax ID #112700962

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P.O. No.	Reference	Billing Period	Sales Rep.
Terms		2/28/20	Vicki Lepore-SS&J
Rental Item Detail			

Qty	Description	Rate	Total Charge
Labor			
Install Onsite Strike			
8	Project Manager (1) SSR Project Manager to oversee Install - Onsite Support - Strike.	\$650.00	\$5,200.00
9	IT - On-Site Technician - Full Day (1) SSR tech to oversee Install - Onsite Support - Strike.	\$650.00	\$5,850.00
			Install Onsite Strike Total: \$11,050.00
2/27			
32	Union CHI - Local 110 Technician Hourly	\$131.10	\$4,195.20
			2/27 Total: \$4,195.20
2/28			
32	Union CHI - Local 110 Technician Hourly	\$131.10	\$4,195.20
			2/28 Total: \$4,195.20
3/2			
16	Union CHI - Local 110 Technician Hourly	\$131.10	\$2,097.60
			3/2 Total: \$2,097.60
3/5			
32	Union CHI - Local 110 Technician Hourly	\$131.10	\$4,195.20
			3/5 Total: \$4,195.20
3/6			
8	Union CHI - Local 110 Technician Hourly	\$131.10	\$1,048.80
			3/6 Total: \$1,048.80
			Labor Total: \$26,782.00

Travel

Method of payments accepted: Check, ACH, Wire. If paid by major Credit Card a 3% surcharge will be added to total pre-taxed order.

Please remit payment to:

 SmartSource Rentals
 P.O. Box 289
 Laurel, NY 11948

Terms: Net Upon Receipt

 Billing Inquiries: (631) 670-8990
 Remittance advice: ar@smartsourcerentals.com
 Preferred Method of payment: ACH or Wire
 SmartSource Rentals Tax ID #112700962

Rental Invoice

 Invoice Date: Fri 2/28/20
 Customer ID: 10034401
 Rental Agreement No: 212035447
 Fulfilling Branch: Chicago
 Invoice No: 712038420
 Project Code: PITT0320

Bill To

 The Pittsburgh Conference
 Accounts Payable
 300 Penn Center Blvd
 Suite 332
 Pittsburgh, PA 15235-5503
 Phone: 412-825-3220

Ship To

 McCormick Place West
 John Sember
 2301 South Lake Street
 c/o PITTCO
 Chicago, IL 60616

P.O. No.	Reference	Billing Period	Sales Rep.
Terms		2/28/20	Vicki Lepore-SS&T
Rental Item Detail			

Qty	Description	Rate	Total Charge
1	Airfare	\$500.00	\$500.00
1	Hotel Charge	\$0.00	\$0.00
17	Per Diem	\$100.00	\$1,700.00
			Travel Total: \$2,200.00

Subtotal:	\$28,982.00
Tax:	\$181.50
Total:	\$29,163.50

Method of payments accepted: Check, ACH, Wire. If paid by major Credit Card a 3% surcharge will be added to total pre-taxed order.

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 SmartSource Rentals Tax ID #112700962

Rental Invoice

 Invoice Date: Thu 2/27/20
 Customer ID: 10034401
 Rental Agreement No: 212035103
 Fulfilling Branch: Chicago
 Invoice No: 712038408
 Project Code: PITT0320

Bill To

 The Pittsburgh Conference
 Accounts Payable
 300 Penn Center Blvd
 Suite 332
 Pittsburgh, PA 15235-5503
 Phone: 412-825-3220

Ship To

 McCormick Place
 John Sember
 2301 S King Dr.
 c/o PITTCON
 Chicago, IL 60616

P.O. No.	Reference	Billing Period	Sales Rep.
TERMS	WEST Bldg.	2/27/20-3/5/20	Vicki Lepore-SSET

Rental Item Detail

Qty	Description	Rate	Total Charge
Nexus Theater #1			
Video			
1	SHARP 80" LED 1080p 1920x1080	\$1,390.00	\$1,390.00
1	SHARP 80" LED 1080p 1920x1080	\$1,390.00	\$1,390.00
1	PREMIER 72" Dual Post Floor Stand	\$85.00	\$85.00
1	ANALOG WAY PLS350 Seamless Switcher	\$425.00	\$425.00
2	DECIMATOR MD-HX HDMI/SDI Scan Converter	\$95.00	\$190.00
1	AJA 1x6 3G/HD/SD-SDI Distribution Amp	\$75.00	\$75.00
1	D'SAN PerfectCue Cue Light	\$100.00	\$100.00
2	DELL E6520 i7-Quad 2.2 8/500 15.6"	\$190.00	\$380.00
2	MS Office 2016 Professional Plus	\$32.00	\$64.00
1	EXTRON Dist Amp HDMI DA4 1 to 4	\$50.00	\$50.00
			Video Total: \$2,719.25
Audio			
4	JBL Powered Speaker PRX 12" 1500W	\$70.00	\$280.00
4	Ultimate Speaker Stand (Short)	\$0.00	\$0.00
4	Spandex Wrap for Speaker Stand	\$35.00	\$140.00
1	DBX 2231 Dual 31 Band EQ	\$50.00	\$50.00
1	MACKIE 1604 Mixer (16) XLR	\$55.00	\$55.00
2	SHURE MX418D/C Gooseneck Mic 18"	\$25.00	\$50.00
1	SHURE MX418D/C Gooseneck Mic 18"	\$25.00	\$25.00
1	SHURE MX418S 18" Podium Mic w/ No Stands	\$25.00	\$25.00

Damage waiver charge includes loss coverage, if loss coverage was selected on the Agreement.

Method of payments accepted: Check, ACH, Wire. If paid by major Credit Card a 3% surcharge will be added to total pre-taxed order.

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Laurel, NY 11948
Terms: Net Upon Receipt

Billing Inquiries: (631) 670-8990

Remittance advice: ar@smartsourcerentals.com

Preferred Method of payment: ACH or Wire

SmartSource Rentals Tax ID #112700962

Rental Invoice

 Invoice Date: Thu 2/27/20
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 Fulfilling Branch: Chicago
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 Project Code: PITT0320

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Ship To

 McCormick Place
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P.O. No.	Reference	Billing Period	Sales Rep.
TERMS	WEST Bldg.	2/27/20-3/5/20	Vicki Lepore-SSET

Rental Item Detail

Qty	Description	Rate	Total Charge
1	SHURE Dual Channel Mic UR4D BROADBAND	\$300.00	\$300.00
2	D'SAN LSP-1 Laptop SoundPort	\$20.00	\$40.00
2	SHURE Countryman Wireless Mic Ear Set	\$25.00	\$50.00
1	XLR Snake 100' 16 Channel/8 Return	\$100.00	\$100.00
			Audio Total: \$724.75
			Nexus Theater #1 Total: \$3,444.00
Install Labor			
3/2/20			
1	AV - Set Technician - Full Day	\$650.00	\$650.00
16	Union CHI - Local 110 Technician Hourly	\$100.00	\$1,600.00
			3/2/20 Total: \$2,250.00
			Install Labor Total: \$2,250.00
Onsite Support 3/3			
8	Union CHI - Local 110 Technician Hourly	\$100.00	\$800.00
			Onsite Support 3/3 Total: \$800.00
Onsite Support 3/4			
8	Union CHI - Local 110 Technician Hourly	\$100.00	\$800.00
			Onsite Support 3/4 Total: \$800.00
Onsite and Strike 3/5			
3/5/20 After 5pm			
1	AV - Strike Technician - Half Day	\$350.00	\$350.00
4	Union CHI - Local 110 Technician Hourly	\$100.00	\$400.00
8	Union CHI - Local 110 Technician Hourly	\$100.00	\$800.00
4	Union CHI - Local 110 Technician OT	\$150.00	\$600.00

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Rental Invoice

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P.O. No.	Reference	Billing Period	Sales Rep.
TERMS	WEST Bdlg.	2/27/20-3/5/20	Vicki Lepore-SSET

Rental Item Detail

Qty	Description	Rate	Total Charge
			3/5/20 After 5pm Total: \$2,150.00
			Onsite and Strike 3/5 Total: \$2,150.00
	Transportation to Customer		\$500.00
	Transportation from Customer		\$400.00
	Damage Waiver		\$223.86
	Discount		(\$1,820.00)

Subtotal:	\$10,567.86
Tax:	\$309.96
Total:	\$10,877.82

Damage waiver charge includes loss coverage, if loss coverage was selected on the Agreement.

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