EdTOA Cool Builds

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Category: Cool Builds

SUNY Geneseo’s Synchronous Video Conference Classroom
Fernin Romero :: June 5, 2019
Recently, SUNY Geneseo was tasked to renovate an existing classroom with equipment for web based video conferencing in the Summer of 2017. Specifically there would be Foreign Language classes shared between Brockport, MCC and Geneseo (as part of the Critical Language Consortium). MCC had Pro licensing for Zoom, and the first version of the

Oneonta’s Fieldhouse Sound/Projection System
Mark English :: September 13, 2018
Over twenty years ago, Oneonta built a fieldhouse to accommodate a variety of events including various sporting events, concerts, Commencements, Open Houses, and speeches. At the time, the AV department was not consulted about either sound or projection in the space, although almost every event held in there requires one or both. (more...)

SUNY Broome’s Casino Vespa
Cool Build Contributors:

Bill Meyers, SUNY Geneseo
Kelly Larrivey, SUNY Onondaga Community College
Andrew Tucci, SUNY Binghamton
Mark English, SUNY Oneonta
“Zoom Room” for sharing classes between Geneseo, MCC and Brockport as part of the Critical Language Consortium
Marketing Yourself Online

- You work hard to create a strong resume and in-person presentation; make sure your online image is just as strong.
- Employers will Google your name and look you up on social media.
  - Always be conscious of your posts.
- Connect with alumni on LinkedIn, campus orgs and athletic groups, and networking events on and off campus.
- Professional contacts through internships and jobs.
## Sources/Costs

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP Micro PC</td>
<td>$700.00</td>
</tr>
<tr>
<td>Sharp 20” Touch Screen Monitor</td>
<td>$634.00</td>
</tr>
<tr>
<td>Logitech Wireless Combo Keyboard</td>
<td>$33.00</td>
</tr>
<tr>
<td>Logitech Connect Conference Camera</td>
<td>$499.00</td>
</tr>
<tr>
<td>Shure Lavalier Wireless Microphone</td>
<td>$295.00</td>
</tr>
<tr>
<td>Shure MX202W/C Hanging Microphone (2)</td>
<td>$384.00</td>
</tr>
<tr>
<td>Tascam US 4x4  4 Input USB Audio Mixer</td>
<td>$183.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2728.00</strong></td>
</tr>
</tbody>
</table>
THREAD LAYOUT

STEELCASE NODE DESKS W/CUP HOLDER, STEELCASE VERB INSTRUCTOR TABLE, AND THREAD POWER SYSTEM. GROUPWORK TABLE WITH CPU SLING, AND MOVE INSTRUCTOR CHAIR.

**ALL FINISHES TBD**
## Costs in the Big Picture

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment</td>
<td>$2728.00</td>
</tr>
<tr>
<td>Node Chairs and Thread Power Distribution System</td>
<td>$19371.00</td>
</tr>
<tr>
<td>Facilities Installation Charges</td>
<td>$13000.00</td>
</tr>
<tr>
<td><strong>Total=</strong></td>
<td><strong>$35099.00</strong></td>
</tr>
</tbody>
</table>
Onondaga Community College

Hospitality Management’s Big Makeover

~Kelly Larrivey
Each monitor location needs power and a 2" conduit for the Cable to the monitor.
Each monitor location needs power and a 2” conduit for the cable to the monitor.
AV System Budget per kitchen area

- Commercial Grade 42” monitors @ $600 each: ($2,400) x 2 rooms
- Preview Monitor @ $400: ($400) x 2 rooms
- Monitor Enclosures (to protect from heat, dust, smoke etc.) $600 each: ($3,000) x 2 rooms
- Mounts for LCDs $300 each: ($1,500) x 2 rooms
- PTZ Ceiling camera & Mounting Kit @ $1,300: ($1,300) x 2 rooms
- Wireless Microphone System @ $900: ($900) x 2 rooms
- Wolfvision Eye 10/12 $679: ($679) x 2 rooms
- Data/Video Distribution amplifier $600 (added screens): ($600) x 2 rooms
- Extron Basic Control System $3,500: ($3,500) x 2 rooms
- Additional LCD Touch Panel Control System: ($3,000) x 2 rooms
- Ceiling Speakers @ $150 each: ($600) x 2 rooms
- Audio Amplifier @ $330 (use from W201): ($330) x 2 rooms
- Power Strip @ $200 each: ($400) x 2 rooms
- Middle Atlantic Rack with a couple shelves & plates @ $750: ($750) x 2 rooms
- Cabling required @ $1,000: ($1,000) x 2 rooms
- Wall Plate @ $150: ($30) x 2 rooms
- Smaller Form Factor Computer: ($80) x 2 rooms
- Wireless Keyboard and Mouse: ($180) x 2 rooms
- Miscellaneous: ($1,000) x 2 rooms

Total Estimated Cost: $22,319
Kitchen Equipment purchased per room

8 - Samsung 28" monitors (went with larger monitors)
1 – Samsung 32" monitor (went with larger monitors)
9 - Chief wall mounts
1 - Extron IN1604HD; 4 input scaler w/HDMI out
1- Extron DTP HD DA8 4K 230 HD to 8 output DTP DA
1 - Extron DTP HDMI 230 Tx
9 - Extron DTP HDMI Receiver
1 - Extron DTP 64; 6x4 ProDSP Processor
1- Extron MPA 152 Plus, stereo amp
4 - Extron Ceiling SI 3C LP 4" Back Can Speakers
1 - Sony HD PTZ Camera
1 - Telemetrics Camera Controller (switch)
1 - Shure Wireless Lavalier Microphone (do over- rechargeable)
1- mini computer, wireless keyboard & mouse
1- Middle Atlantic rack
<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 Monitors &amp; Mounts</td>
<td>$3,775</td>
</tr>
<tr>
<td>Extron System (includes speakers)</td>
<td>$8,230</td>
</tr>
<tr>
<td>Sony HD PTZ Camera</td>
<td>$3,000</td>
</tr>
<tr>
<td>Telemetrics Camera Control</td>
<td>$ 990</td>
</tr>
<tr>
<td>Shure PGXD14/85 Lav. System</td>
<td>$ 400</td>
</tr>
<tr>
<td>Middle Atlantic Rack</td>
<td>$ 700</td>
</tr>
<tr>
<td>HP Mini Comp &amp; wireless keyboard/mouse</td>
<td>$ 850</td>
</tr>
<tr>
<td>Cables Wall Plates</td>
<td>$1,200</td>
</tr>
<tr>
<td>AV Corp Installation/Labor</td>
<td>$6,100</td>
</tr>
</tbody>
</table>

**Total AV Cost:** $25,245 per room
Instructor's monitor

Ceiling Mounted Sony PTZ

Student's monitors
Reminders:

* Get professors input from the beginning – they helped design these areas and they helped tweak the room once they started using it.

* Train key faculty members, check in on them often in the beginning to make sure they feel comfortable with the technology. Have them train their departments, continue to check in with everyone.

* Get IT on board from the beginning

* For more information visit the website:
  https://www.edtoa.suny.edu/a-cool-space-at-onondaga-community-college/
You know you have done it right, when your AV team and electrician are eating in the new restaurant.
Binghamton University

Freshman Research Immersion (FRI) Lab

~Drew Tucci
**DUAL TV Arlington Box Installation Needs**

- **Instructor TV**
- **Arlington Box 1**
- **Student TV**
- **Arlington Box 2**

**Terminates 120V power in each box**

**Ceiling grid line**

**Conduit connected boxes? Possibly not needed. Cables coming from ceiling and going to each box are plenum and could just be pulled in wall. Both boxes will need access to ceiling grid (and back to rack).**

**NOT TO SCALE**

**Assumes 30” Table Height**

32” AFF

50” AFF

62” AFF

67”

Floor
Costs

AV:

10, 43” Monitors = $8,789.00

Av rack, rack items, solstice, shure, doc cam, microsoft surface, etc. = $23,845.00

Extron systems = $48,522.80

10, 65” Cleartouch w/ Win7 blades = $53,500.00

AV total = $134,656.80

Facilities:

Renovations, furniture, electric, lighting, paint, flooring = $212,900

Room total: $347,556.80

(Budget of $350,000)
FRI Phase 2

Asked to add:

~Individual monitor control

~telepresence

~Full mirroring to all 20 monitors
SUNY Oneonta Fieldhouse Sound System
Designer/Consultant – Marshall/KMK Acoustics
Designer/Consultant – Marshall/KMK Acoustics

Installer – Presentation Source
Priorities:
Priorities:
1) Reliability
Priorities:
1) Reliability
2) Ease of Use
Priorities:
1) Reliability
2) Ease of Use
3) Flexibility
Priorities:
1) Reliability
2) Ease of Use
3) Flexibility
4) Voice Intelligibility
Priorities:
1) Reliability
2) Ease of Use
3) Flexibility
4) Voice Intelligibility
5) Protection
Bleacher Speakers –
2 upper, 2 lower for each set of bleachers
Floor Speakers –
1 for each half of the floor
Results:
Results:

► Sound Quality
Results:

- Sound Quality
- Cost Effectiveness
Results:

► Sound Quality
► Cost Effectiveness
► Ad Hoc Usage
Results:

- Sound Quality
- Cost Effectiveness
- Ad Hoc Usage
- Decreased Workload
Results:

- Sound Quality
- Cost Effectiveness
- Ad Hoc Usage
- Decreased Workload
- Reliability
Takeaways
Takeaways

► Identify Goals
Takeaways

► Identify Goals
► Know Your Limitations
Takeaways

► Identify Goals
► Know Your Limitations
► Cost Effectiveness Justification