

# *Command and Control Communications Engineering & Logistics, LLC*

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## Corporate Overview and Capabilities

[www.c3el.com](http://www.c3el.com)



## Who We Are

- Veteran Owned Small Business Established 2012
- Corporate Headquarters in Tampa, FL
  - Business Office in Vienna, VA
  - *Fayetteville, NC Office Coming in 2021*
- Emerging Technology Center in Tampa, FL
  - One of the largest AV Technology Demonstration Centers in the USA comprised of a fully functional operations center, executive conference room, data center, and classroom.
- 10,000 sqft Warehouse & Integration Center
- 50-60 Team Members (Highly Scalable Work Force)
- We Deploy Worldwide and in Theater (Active Operations)
- In-House Design Department
- Multi-Classification AV/VTC Experts
- DoD Cleared Technicians, Engineers, and Programmers
- DoD 8570 Compliant Staff
- Certified SCIF Construction
- Facilities Minor Construction
- Electrical Installations
- Technical Furnishings

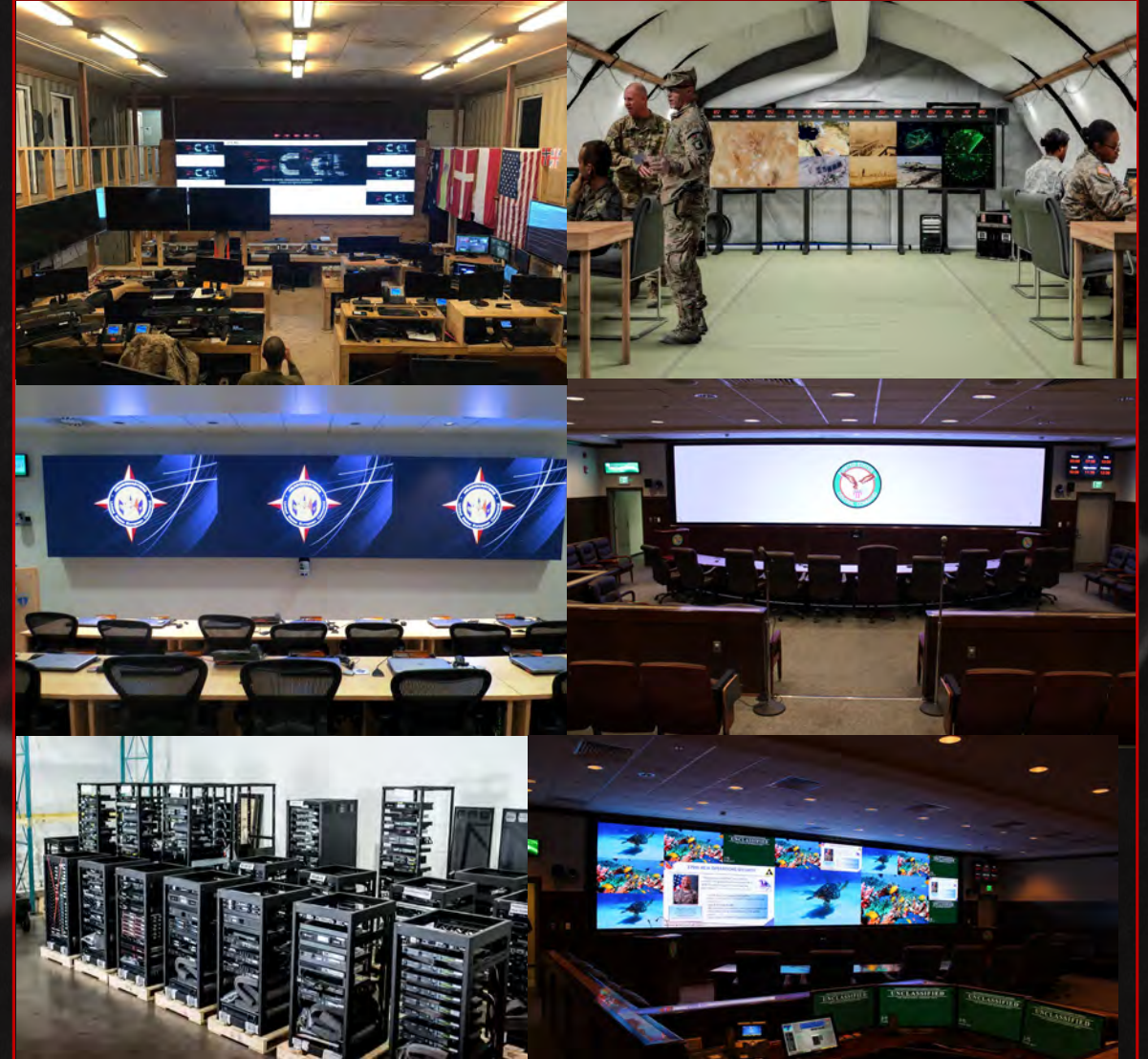
## CORE VALUES

- ✓ OUR EMPLOYEES
- ✓ INTEGRITY
- ✓ COMMITMENT
- ✓ QUALITY
- ✓ DISCIPLINE
- ✓ VALUE
- ✓ TRAINING
- ✓ COLLABORATION
- ✓ COMMUNICATION
- ✓ RESPECT
- ✓ WIN AS A TEAM
- ✓ OWN IT!



## Our Focus

- Operations Centers & Control Rooms
- Video Walls and Display Solutions
- Conference and Executive Board Rooms
- Briefing Rooms
- Data Centers and Structured Cable Infrastructure Systems
- Multi-Classification Systems Engineering
- VTC Infrastructure and Configuration
- Contract Operations & Maintenance (O&M) Staff Support
- International Logistics
- A/V and Telepresence Systems Design & Integration
- Crestron, Extron, and AMX Custom Control System Programming
- Public Address Systems, Emergency Announcement Systems
- Paging and Intercom Systems
- Complex Audio Solutions/Digital Sound Processors
- Closed Circuit Television (CCTV) Systems Design and Integration
- Digital Signage Design and Integration
- Architectural Design, Technical Furnishings & Space Planning
- Access Control & Intrusion Detection Systems
- Automated Lighting and Acoustic Treatments
- Access Flooring Systems
- Inside & Outside Plant Infrastructures
- International logistics & Warehouse Operations
- Deployable Tactical Command Centers
- SCIF Construction/Renovation





## Why Choose C3EL?

- Consistently deliver projects on time and within budget
- We do not outsource expertise
- We promote from within
- We “Train and Retain” industry experts
- We have proven past performance and recurring work at the highest levels in the Department of Defense, Federal and State Agencies
- We understand the customer
- We hire and support our troops



## Our Leadership and Management

### **Billie J. McDuffee – CEO/Owner**

- SAIC – C4IES Program, Engineering Program Manager/Chief Engineer
- Northrop Grumman – Program Manager/Senior Systems Engineer
- Raytheon – Program Manager/Senior Systems Engineer
- Veteran - US Navy Chief Petty Officer – Industrial Electrical Systems Engineer

### **Frank Pena, Owner – CTO/Owner**

- C3EL – CITS II Senior AV Engineer/Program Manager
- SAIC – C4EIS, Senior Systems Engineer
- Northrop Grumman – Systems Engineer
- Mantech - Networks Engineer
- Veteran - US Army Networks Engineer

### **David Opitz, Director of Technical Services**

- Activu – Director of Installation Services
- AVI/SPL –CRG Engineering Manager/ Installation Services Manager

### **Lavar McDowell, Vice President, Business Development**

- US Army Reservist (Current) – USEUCOM J3 JOC Senior Enlisted Advisor
- C3EL – CITS Program, Senior Systems Engineer
- C3EL – Technical Project Manager
- Defense Intelligence Agency – Site Lead/Systems Administrator
- Veteran - US Army – IT Specialist/Tactical Communications Specialist

### **Katherine Fredlund – Controller**

- Accounting and Business Management Executive
- Areas of Expertise: DCAA, FAR, and JTR
- Veteran and Former Law Enforcement Officer



# In-House Advanced Engineering, Design, and Custom Programming





## Warehouse and Logistics Operations





## Major Customers



FEDERAL  
COMMUNICATIONS  
COMMISSION



USCENTCOM



USEUCOM



USAFRICOM



USSOCOM



CECOM



SACEUR



325<sup>TH</sup>  
FIGHTER  
WING



FLORIDA ARMY  
NATIONAL GUARD



FUTURES  
COMMAND



PACAF



SEAL TEAM 5



45<sup>TH</sup> SPACE  
WING



MARSOC



NWDC



20<sup>TH</sup> FIGHTER  
WING



48<sup>TH</sup> CIVIL SUPPORT  
TEAM



24<sup>TH</sup> AIR FORCE



AFSOC



27<sup>TH</sup> SPECIAL  
OPERATIONS WING



2<sup>nd</sup> Infantry  
Division



JOINT SPECIAL  
OPERATIONS  
UNIVERSITY



SOJTF



SOCAF



505<sup>TH</sup> COMMAND  
& CONTROL WING



JIATF-  
SOUTH



TSA



AIR COMBAT  
COMMAND



NAVAL CRIMINAL  
INVESTIGATIVE  
SERVICE



US ARMY SPECIAL  
OPERATIONS  
COMMAND



PASCO COUNTY  
SHERIFF



## Our Suppliers

C3EL is a Value-Added Reseller of All Major Manufacturers





## Strategic Partners

Activu  
AKIMA  
AVI-SPL  
BAE Systems  
CACI  
CAE USA  
Chenega Worldwide Support  
CineMassive  
City of Fort Myers  
Command Systems Group  
Counter Trade Products Inc  
Crystal Clear Technologies  
Custom Cable of Tampa  
Digital Consultants  
Diversified  
exp Federal Inc.  
Federal Resources  
Force 3  
GDIT  
Herman ProAV  
Integrated Computer Solutions

Integration Technologies Group (ITG)  
Iron Bow  
Jacobs Technology  
Kai'Honua  
Leidos – C5ISRO  
Mission Solutions Group  
NETCOM  
Norseman Defense Technologies  
Red River Company  
S4 Inc  
SAIC  
Salient CRGT  
SeaWolf Construction Corp  
Southern Management Engineering  
Strategic Operational Solutions  
TeKSystems  
Telecommunications Solutions Group  
The Centech Group  
Trace Systems  
TribalCo LLC  
World Wide Technology, Inc  
Vision IT  
Zivaro, Inc.





## **Recent Past Performance Highlight**

### **Federal Communications Commission (FCC)**

### **New Headquarters Facility Audiovisual Installation & Support Services**



C3EL was selected as the AV system integrator for the new constructed FCC Headquarters located at 45 L Street N.E, Washington D.C. 20002. Our team was contracted to perform turnkey services that included a detailed design validation, project management, procurement, engineering, installation, programming, and commissioning of all 292 rooms with AV equipment, facility-wide IPTV, sound masking and paging systems. Our period of performance is ongoing as the installation is in-progress. Our team developed all the FCC training materials, systems operations guides, quick-reference sheets, and will provide training to 15 FCC resources. C3EL was also on the winning team to provide follow-on AV Support Services to the FCC.







## Recent Past Performance Highlight

### USCENTCOM Headquarters and Forward Headquarters AV/VTC Modernization



C<sup>3</sup>EL delivered a turnkey AV solution for USCENTCOM Headquarters Joint Operations Center (JOC) and Main Conference Room (MCR) located in Tampa, FL. Subsequently, our team was contracted to conduct a site survey for the USCENTCOM Forward Headquarters (CFH) at Al Udeid Air Base, Qatar. Our team was awarded the contract to fully modernize all the AV systems in the 200,000 square foot headquarters. Our team upgraded the Commander's Briefing Room, Main Conference Room, multiple operations centers, executive conference rooms, media centers, and telecom rooms. C<sup>3</sup>EL developed a Project Management Plan that included multiple phases at various geographical locations. Our team designed, built, and pre-configured over 150 racks of equipment at our Tampa, FL integration facility. Our logistics team successfully coordinated the international secure shipment of all equipment to the AOR for deployment. This project encompassed every aspect and discipline of AV systems integration and directly enhanced the COCOM's capabilities to support the warfighter. C<sup>3</sup>EL successfully executed according to our project schedule and proposed budget.







## **Recent Past Performance Highlight**

### **Joint Special Operations University (JSOU)**

### **AV Maintenance and Support Contract**



C3EL was awarded with a Service Level Agreement (SLA) at the Joint Special Operations University (JSOU) located at MacDill Air Force Base, FL. The scope includes onsite break/fix support for all audiovisual systems, preventative maintenance, and technical support for 33 classrooms, executive conference rooms suites, and four auditoriums.







## Recent Past Performance Highlight

### USSOCOM Joint MISO WebOps Center



As a preferred vendor on the SITEC II EOM contract, C<sup>3</sup>EL was selected to execute multiple-phased project for the USSOCOM Joint MISO WebOps (JMWC) Center buildout. These projects included the design, procurement, integration, and programming of the 23-seat Web Operations Center (WOC), two VTC conference rooms, and a collaborative huddle space. The AV solution consisted of a multi-classification AV routing matrix system, VTC system, customized control system, video wall with auxiliary displays, and a complex audio routing capability for the operators. Additionally, C<sup>3</sup>EL was tasked to perform all the outside plant and inside plant cabling infrastructure installation. Our team installed and terminated over two miles of single mode fiber optic cable assemblies using the existing MacDill AFB manhole/handhole systems throughout multiple buildings. Finally, C<sup>3</sup>EL provided the end-user desktop integration support and furnishings for 175 operators to include their workstations.

**UPDATE: C3EL was recently awarded Phase II of this project and will be executed in early 2021.**







## Recent Past Performance Highlight

### Osceola County Traffic Management Center Video Wall Upgrade



C3EL engineered and installed Osceola County's Traffic Management Center upgraded A/V Video Wall solution. Our team of engineers, technicians, and programmers completed the removal of all the existing AV hardware, install new electrical circuits/outlets, reconstructed the wall to support the new 6x2 Planar Clarity Matrix G3 powered by a Jupiter Systems video wall processor. The video wall can display up to 64 camera feeds at one time. C3EL delivered the turnkey solution three weeks ahead of schedule without the use of a general contractor, saving the customer time and additional funding.







## Recent Past Performance Highlight

### USEUCOM Mission Command Center (EMCC) Video Wall Upgrade



C<sup>3</sup>EL was tasked with replacing two aging large projector systems in the United States European Command (USEUCOM), Headquarters Joint Operations Center (JOC) and the Senior Decision Cell (SDC) with two new Leyard DirectLight 2 LED Video Wall Systems. In addition to the design and integration of both LED walls and new video processors, the scope included the demolition, and engineering, and construction of a new wall that would support the new JOC video wall. Our team deployed C<sup>3</sup>EL technicians and one of our master programmers to Stuttgart, Germany to fully integrate the video walls in the existing complex A/V system. The USEUCOM JOC installation was the largest Leyard DirectLight 2 LED Video Wall system integration to date in the DoD. The project was successfully completed on time and on budget.







## Recent Past Performance Highlight

### Supreme Allied Commander Europe (SACEUR) Executive Offices Audio Visual Upgrade



C<sup>3</sup>EL provided a full turn-key audio video (AV) solution for the Supreme Allied Commander Europe (SACEUR) executive offices at Supreme Headquarters Allied Powers Europe (SHAPE) in Mons, Belgium. This project consisted of the design, engineering, international logistics, systems installation, programming and commissioning of four complex integrated systems. These systems consisted of a multi-classification KVM signal routing, customized control systems, video walls, multiple VTC systems, audio solutions, and various peripherals. Our design solution was compliant to all the Information Assurance directives and addressed all cyber security concerns. Therefore, the systems were authorized to operate on multiple network enclaves. This project was delivered according to schedule and within the budget. As a result, C<sup>3</sup>EL was further contracted to provide AV solutions for the additional senior executive offices throughout the Combatant Command.







## Recent Past Performance Highlight

### European and African Theater Communication and Information Technology Service (CITS II) O&M Support



C<sup>3</sup>EL was teamed with General Dynamics Information Technology to provide operations and maintenance services and surge support for the USEUCOM and USAFRICOM areas of operations. Based in Stuttgart, Germany, and Mons, Belgium, our staff provided the audio video (AV) subject matter expertise, technical project management, systems programming, network and systems administration to each Combatant Command. Additionally, our on-site staff was responsible for the configuration management and lifecycle replacement of the Commands' AV systems throughout all the operations centers, conference rooms, and executive suites. In addition to our operations and maintenance team, we also deployed technicians to support enterprise level specialized projects and surge support. C<sup>3</sup>EL was an approved vendor and supported the procurement of IT/AV materials.





## NAICS Codes

**333318:** Other Commercial and Service Industry Machinery Manufacturing  
**334111:** Electronic Computer Manufacturing  
**334290:** Other Communications Equipment Manufacturing  
**334310:** Audio and Video Equipment Manufacturing  
**517410:** Satellite Telecommunications  
**541340:** Drafting Services  
**541490:** Other Specialized Design Services  
**541511:** Custom Computer Programing  
**541512:** Computer Systems Design Services  
**541513:** Computer Facilities Management Services  
**541519:** Other Computer Related Services (NAICS Exception 1)  
**541519:** Information Technology Value Added Resellers (NAICS Exception 2)  
**541611:** Administrative Management and General Management Consulting Services  
**541990:** All Other Professional, Scientific, and Technical Services  
**561210:** Facilities Support Services  
**811213:** Communication Equipment Repair and Maintenance

**Command and Control Communications Engineering & Logistics**

**Tampa, FL - Vienna, VA**

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For more information, contact us at  
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