



Command Control Communications Engineering & Logistics, LLC

Capabilities Overview



Partnering with C³EL?

Command Control Communications Engineering & Logistics, LLC (C³EL) is a Woman Owned Small Business (WOSB) specializing in the building of strategic command and network centers worldwide. Our core capabilities are providing design-build, engineering, programming, and O&M Services. C³EL delivers mission critical turn-key AV solutions to Department of Defense (DoD), Federal, State, Local agencies, and Commercial clients in support of global and national operations.

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



Why Our Customers Select C³EL?

At C³EL we provide creative compliant solutions to complex dynamic requirements. We use successfully tested and proven project processes to deliver on time solutions.

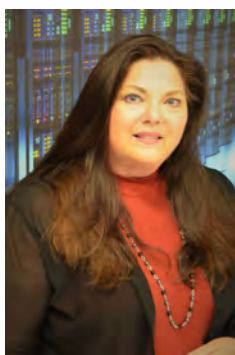
Project Management, Engineering, Installation, and Commissioning are performed by full time C³EL employees. The C³EL team of project focused engineering-based professionals are experts in executing complex international logistics and have the requisite experience to deliver high-quality leading-edge solutions that consistently meet our customers highest expectations.

The company offers turnkey solutions, while delivering projects on time/within budget. Our past performance record is exemplified by our high rate of recurring work at the highest levels within the Department of Defense, Federal and State Agencies.

At C³EL, we understand our customer's environment and unique requirements. We support our troops by hiring seasoned and experienced veterans. We pride ourselves on having outstanding relationships with industry leading vendors.



Leadership & Management



Laura Hoernig
President / CEO

Prior to the majority share acquisition of C³EL in 2023 Ms. Hoernig was a founding partner at Spacelink International LLC where she had Executive responsibility for daily operations of all company administrative departments; Contracts, Finance, Accounting, Human Resources, and Security from company inception in 1994 to acquisition in 2005. Ms. Hoernig managed the successful sale and due diligence process for the acquisition of Spacelink International by ESSI. Since 2005 Ms. Hoernig has been the Managing Partner for the Hoernig Family Office overseeing operations across a number of subsidiary businesses entities as the Executive responsible for investment management, accounting, finance, and tax for all wholly owned subsidiaries of Hoernig Enterprise and the Hoernig Family Office.



Richard Whaley, Jr.
Executive Vice President,
Enterprise Solutions

- Mercury Systems, Director, Systems Engineering
- Germane Systems, Dept Head, IT & Security
- Fishnet Security, Sr. Security Engineer
- DRS Technologies, Principal Systems Engineer
- Spacelink International LLC, Principal Systems Engineer
- BAE SYSTEMS, Principal Systems Engineer
- CSC, Sr. Network Engineer
- US Navy (Retired)



Frank Pena
Executive Vice President,
Implementation Services

- CITS II Sr. AV Engineer/Program Manager
- SAIC C4EIS, Sr. Systems Engineer
- Northrop Grumman, Systems Engineer
- Mantech, Network Engineer
- US Army, Network Engineer



In-House Advanced Engineering, Design, and Custom Programming

C³EL is a company specializing in the design, integration, and delivery of turn-key Command Center Solutions with extensive knowledge and experience in renovating spaces to support users and their equipment; as well as designing world class Audio Visual and Communications Systems.

C³EL commissioning teams are certified in all relevant manufacturers' products and industry best practices, ensuring our solutions meet customer requirements. Their technical acumen, senior programmers have decades of experience and expertise in consulting with operations and intelligence professionals. C³EL has successfully commissioned some of the largest and most complex AV solutions in the Department of Defense (DoD).

Additionally, C³EL has expertise in providing infrastructure support systems, architectural space planning designs, unified facilities criteria emergency management systems, ICD 705 SCIF construction, and designing complex multi-classification high density remote KVM solutions.

Logistics, Warehouse & Integration Facility

C³EL's 8,000 sqft climate-controlled warehouse and integration center located in Tampa, FL is an ideal platform to perform pre-system design, software programming, integration staging & support, while ensuring secure logistic operations for national and international projects.

C³EL utilizes an asset and inventory management application that provides a seamless automation into our DCAA compliant accounting system. This automated system, coupled with the extensive expertise of our logistics staff, provides status and traceability of project based Bill-of-Materials.

Additional information is captured and securely stored such as serial numbers, MAC addresses, and customer tags, to support service and maintenance.

C³EL will exceed your expectations every time.





We Understand the Importance of Security

C³EL retains a Facility Clearance (FCL) from the Defense Counterintelligence and Security Agency (DCSA) and has successfully executed contracts that require cleared individuals; we assign personnel to projects who are appropriately cleared and who abide by Department of Defense (DoD) physical and cyber security requirements. These include the following:

- *DoDM 5200.02-R, DoD Personnel Security Program (PSP)*
- *DoD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM),*
- *32 CFR part 117*
- *DoDM 5220.22 Volume 2, National Industrial Security Program: Industrial Security Procedures*
- *DoDM 5105.21, Sensitive Compartmented Information (SCI), Administration of Information & Information Systems Security Volume I*
- *DoDM 5105.21, Sensitive Compartmented Information (SCI), Administration of Physical Security, Visitor Control, & Technical Security Volume II*
- *DoDM 5105.21, Sensitive Compartmented Information (SCI), Administration of Personnel Security, Industrial Security, & Special Activities Volume III*
- *DoDM 5200.01, DoD Information Security Program: Protection of Classified*

C³EL understands the critical importance of supporting Indefinite Delivery Indefinite Quantity (IDIQ) contracts and maintaining a resource pool of a talented and cleared work force. Nearly 60% of C³EL's workforce employees maintain personnel security clearance.

C³EL's ability to support customer security requirements hinges on our team's knowledge of DoD and IC directives. C³EL's approach incorporates "best in class" practices, and a well-trained professional personnel security team.



The Emerging Technology Center (ETC)

Adjacent to the corporate office in Tampa, FL, C³EL hosts a unique, one-of-a-kind, full-scale operations center experience.

The Emerging Technology Center (ETC) is C³EL's newest facility, that showcases the industry's latest technology features and project designs for command centers.

As the largest Audio-Visual Demonstration Center in the country this 5,500 sqft, facility is sure to intrigue operations and communications professionals of all levels.

This unique technology center in Tampa FL features a full-scale operations center with a 32 ft Planar TVF video wall, best in class Evans operator consoles, along with Extron FOX fiber-optic infrastructure. C³EL's Emerging Technology Center (ETC) showcases the world's leading AV technology. We are happy to host tours of this facility.

You may book your visit by contacting bdteam@c3el.com or virtual tour <https://etc-tampa.com>

Past Performance Highlights

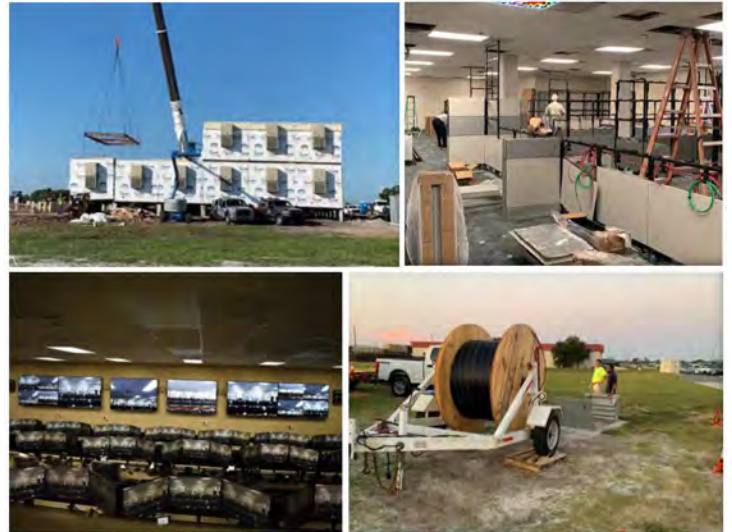


USSOCOM Joint MISO WEB-OPS Center (JMWC)

As a preferred vendor on the SITECI EOM contract, C³EL was selected to execute this multiple-phased project for the USSOCOM Joint MISO WebOps (JMWC) Center buildout. This was a design/build effort that included all inside plant (ISP), outside plant (OSP) data cabling, audiovisual and telepresence (AV/VTC) systems.

The new systems support the 23-seat Web Operations Center (WOC), SCIF, two VTC conference rooms, multiple collaborative huddle spaces and 150 user workstations. The AV solution consisted of a multi-classification AV routing matrix system, VTC system, customized control system, video wall with auxiliary displays, and audio routing capability.

The OSP connectivity included over two miles of single mode fiber optic cable assemblies using the existing MacDill AFB manhole systems throughout multiple buildings. We are currently under way on the third of this four-building effort.



University of Tampa Outdoor Video Wall



C³EL integrated a 18ft outdoor video wall for the University of Tampa.

C³EL was requested for this project because the 2300lbs scissor mount could not be installed conventionally due to site conditions. The C³EL team meticulously disassemble the mechanical scissor mount after consulting with the manufacture, then re-assembled the mount in place.

The effort included installation and configuration of the Planar 16x9 exterior video wall display system.



Past Performance Highlights

Matousek Auditorium Milwaukee VA Medical Center



C³EL installed a 6x6 Planar TVF UHD Video Wall and integrate new AV components with their existing system.

The C³EL team built, pre-configured and tested non-government furnished equipment (GFE) in the C³EL Tampa Integration Center.

The updated Crestron control system was integrated with GFE speakers, cameras, and control furniture stations. C³EL conducted user training for 30 "super users" out of hundreds of Matousek Auditorium users.



MacDill AFB - Joint Special Operations University (JSOU)



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Past Performance Highlights

MacDill AFB - USCENTCOM Headquarters



C³EL delivered a turn-key AV Solution for USCENTCOM Headquarters Joint Operations Center (JOC) and Main Conference Room (MCR) located in Tampa, FL.

C³EL was contracted to conduct a site survey for the USCENTCOM Forward Headquarters (CFH) at Al Udeid Air Base, Qatar and subsequently awarded the contract of fully modernize all the AV systems in the 200,000 sqft headquarters.

The C³EL team designed, built, and pre-configured over 150 racks of equipment at the Tampa, FL integration facility. The logistics team successfully coordinated the international secure shipment of all equipment to the AOR.



Washington, DC Federal Communications Commission (FCC)



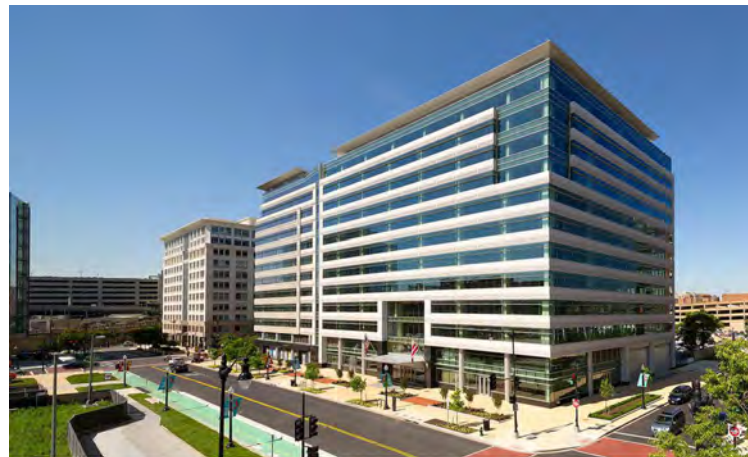
C³EL was selected as the AV system integrator for the newly constructed FCC Headquarters, located at 45 L Street N.E, Washington D.C. 20002.

Under the contract C³EL performed turn-key services that included:

A detailed design validation, project management, procurement, engineering, installation, programming, and commissioning for all 292 rooms to include AV equipment, facility-wide IPTV, sound masking and paging systems.

The C³EL team developed custom FCC training materials, systems operations guides, quick-reference sheets, and training to 15 FCC resources.

C³EL team members provide follow-on AV Operations & Maintenance (O&M) support services to the FCC.



Past Performance Highlights



South Korea PACAF CS/SRO Osan Air Base South

C³EL teamed with Leidos on the PACAF C5ISRO contract to renovate two large SCIF office spaces at Osan Air Base.

C³EL provided a turn-key ICD 705 compliant solution for the scope of work which consisted of new construction and fiber optic cable infrastructure.

The project consisted of demolishing the existing and construction of new access flooring, ceilings, lighting, power distribution system, systems furnishings, data center network infrastructure and racks, as well as horizontal fiber optic distribution with over 1,000 data drops, supporting data-intense operator workstations.



MacDill AFB Joint Special Operations University (JSOU)



C³EL was awarded a Service Level Agreement (SLA) to provide support to Joint Special Operations University (JSOU) located at MacDill Air Force Base, FL.

The scope includes on-site break fix support for all audiovisual systems, preventative maintenance, and technical support for thirty-three classrooms, executive conference room suites and four auditoriums.



Past Performance Highlights

Casteau, Mons, Belgium Supreme Allied Commander Europe (SACEUR)



C³EL provided a full turn-key audio-visual solution for the Supreme Allied Commander Europe (SACEUR) executive offices at Supreme Headquarters Allied Powers Europe (SHAPE) in Mons, Belgium.

This project consisted of a multi-classification KVM signal routing, customized control systems, video walls, multiple VTC systems, audio solutions, and various peripherals.

The C³EL design solution was compliant with all the Information Assurance (IA) directives and addressed all cyber security concerns enabling the systems to be authorized to operate on multiple network enclaves.

This project was delivered according to schedule and within budget. As a result, C³EL was contracted to provide AV solutions for the additional senior executive offices throughout the Combatant Command.



Stuttgart, Germany United States European Command (USEUCOM)



C³EL 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 (SC) 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 of the existing infrastructure, and engineering, and construction of a new wall that would support the new JOC video wall.

C³EL technicians and master programmer deployed to Stuttgart, Germany to 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 within the DOD.



Past Performance Highlights

MacDill, AFB

United States Special Operations Command (USSOCOM)



C³EL provided the audio visual (AV) design, installation and networking infrastructure upgrade for the Commanding General of Special Operations Command (SOCOM) and his supporting Staff.

Additionally, C³EL technicians installed fiber and copper infrastructure to support the three separate network classifications and played a key role with connectivity certifications.

All newly installed infrastructure had a 0% failure rate. C³EL worked in concert with multiple trades to minimize user disruptions and facilitate construction phase transitions.



Osceola County, FL

Osceola County Traffic Management Center (TMC)



C³EL engineered and installed Osceola County's Traffic Management Center upgraded A/V Video Wall solution.

A team of engineers, technicians, and programmers completed the removal of all existing AV hardware, installed new electrical circuits/outlets, reconstructed the wall to support a 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 turn-key solution three weeks ahead of schedule.



Past Performance Highlights

Orlando, FL

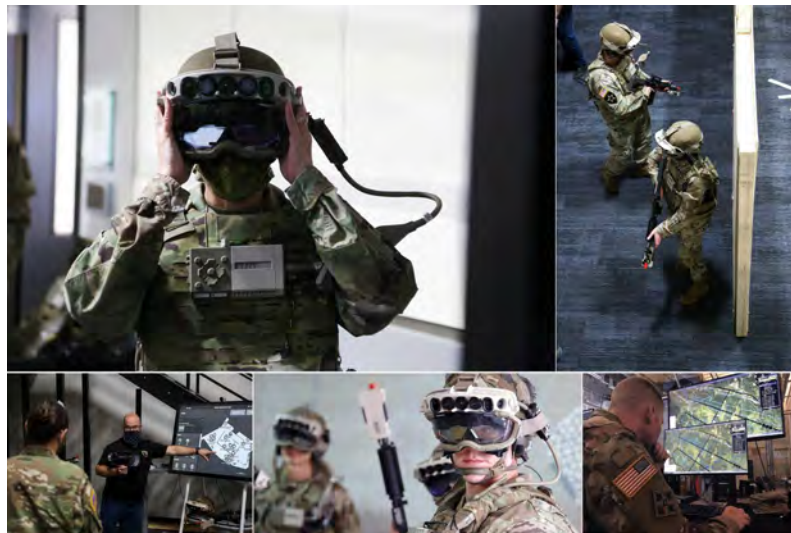
Synthetic Training Environment Cross-Functional Team (STE CFT)



C³EL worked with the US Army at the Synthetic Training Environment Cross-Functional Team Technical Integration Facility. C³EL developed an audio-visual solution that integrates with current training systems, while increasing end user capabilities within the training environment.

C³EL installed, programmed, and commissioned a 3 x3 interactive video wall and three wireless mobile touch tables, enabling users to display presentations to and from the multiple screens within the space.

All displays have the capability to be used simultaneously with seamless transition between each display.



Camp Lejeune, NC

1st Marine Raider Battalion



C³EL was selected to be the AV integrator for the newly renovated gym and rehabilitation center for the 1st Marine Raider Battalion located in Stone Bay, Camp Lejeune, NC.

The project involved systems engineering, design, installation, and commissioning of network infrastructure, AV equipment, facility IPTVs, and a security and DVR system.

C³EL additionally updated electrical infrastructure within the facility to support the use of special rehabilitation equipment.



Past Performance Highlights



Camp Humphreys, South Korea

USSOCOM Enterprise Operations & Maintenance (O&M)

C³EL provided audio, video, control, and networking hardware as well as secure / unsecure network feeds, audio video routing to / from the main room, classrooms, second floor offices, and others via GFE floor boxes and surface wall mount plates.

The AV design consisted of a networked based audio and video network distribution system which allows sending available av sources to any required zoned destinations simultaneously including [2] video walls, [2] mobile displays and several classrooms.

In the main area, C³EL designed and configured the Video Teleconferencing Codec to each of the [4] enclaves with [2] routable cameras and individual microphones.

Additionally, each classroom received [3] VTC codecs for [3] enclaves with [2] routable cameras and individual microphones.



Camp Humphreys, South Korea

USSOCOM Enterprise Operations & Maintenance (O&M)



Chenega Worldwide Support contracted C³EL to provide a solution for the resurfacing of the failing acoustic treatment systems for DAU's large auditorium. The project consisted of removing and refinishing the existing acoustic treatments on 17 large diamond shaped ceiling features, suspended 24 feet above finished floor grade.

The solution included refinishing the ceiling features with a Fabritak Systems acoustic treatments, along with an update of the existing accent lighting.





Major Customers





C3EL is a Value-Added Reseller (VAR) for all Major Industry Vendors

DUNS: 078458404

CAGE CODE: 6RMR0

EIN: 90-0827317

SAMS UEID: JEG8DJJ6N115

NAICS Codes:

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)

541490: Other Specialized Design Services

541611: Administrative Management and General Management Consulting Services

541990: All Other Professional, Scientific, and Technical Services

561210: Facilities Support Services

517410: Satellite Telecommunications

541340: Drafting Services

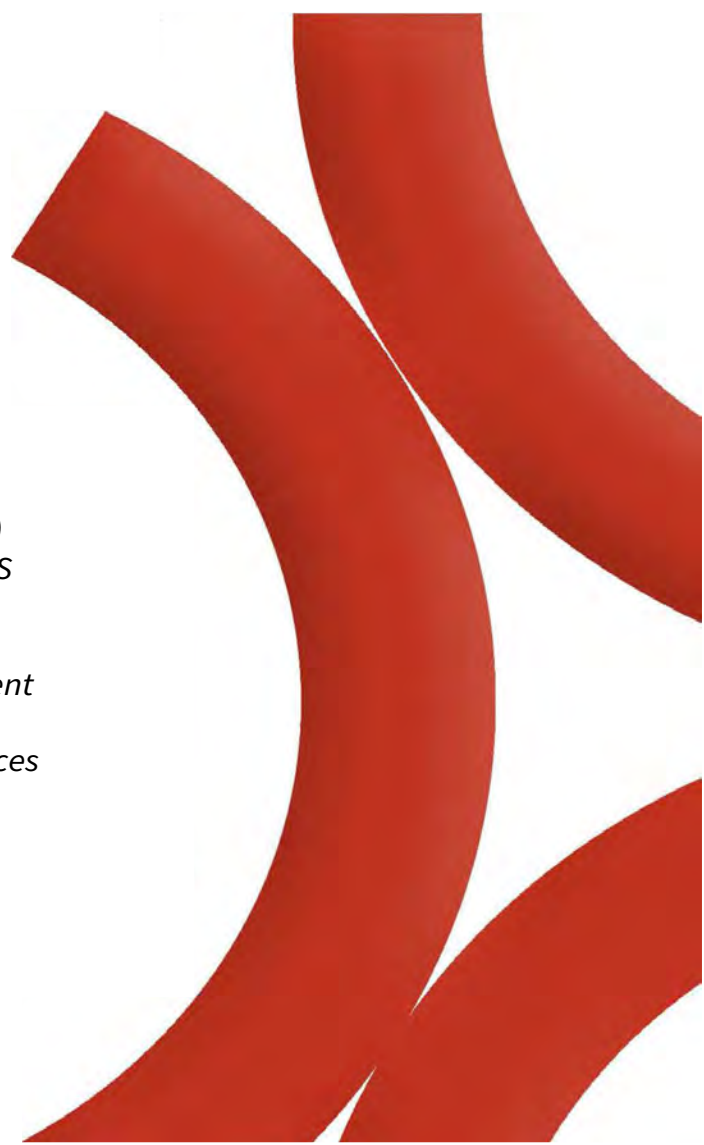
811213: Communication Equipment Repair and Maintenance

333318: Other Commercial and Service Industry Machinery Manufacturing

334111: Electronic Computer Manufacturing

334290: Other Communications Equipment Manufacturing

334310: Audio and Video Equipment Manufacturing





Contact Us

C³EL Information:

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