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Company Bio

Introduction

CTCI is a technology integrator that designs, implements & services advanced technology systems. Our core competencies include immersive Audio Visual, Electronic Security Systems, Structured Cabling, PoE Lighting and Prop Tech. For nearly 40 years, we have delivered exceptional technology and unparalleled customer service to businesses and organizations in the New York Metropolitan area, as well as regional, national and international markets. In today's fast-paced, ever evolving business environments, CTCI understands that integrated technology is critical to an organization's ability to CONNECT, COLLABORATE, and CREATE.

As a single-source supplier of structured cabling, audio-visual unified collaboration and security systems, we provide a competitive edge for our customers. With a staff of experienced professionals who pride themselves on learning, we ensure the highest levels of customer satisfaction with our comprehensive suite of inhouse design, build, installation, management, maintenance and inspection capabilities. CTCI represents the leading technology manufacturers in the industry-engineering the system structures and integrating these cuttingedge technologies into user-friendly applications for our end-user clients.



Recognized in the tech industry for our Commitment to innovation, integrity and customer responsiveness, CTCI Acknowledges the importance of developing long-term relationships with our customers as we anticipate and address their critical technology challenges. Our integrated systems are the arteries through which information flows within the organizational network: improving productivity, enriching communications, and increasing profitability.

Connect, Collaborate, And Create.





Leadership Team

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Core Values



Communicate Transparently

We are open, candid and direct. We speak up with constructive ideas, feedback & concerns that are timely, specific and relevant.



Care

We care about the Company, each other, our Customers, their Experience and the work we do



Collaborate

We work together, share ideas, knowledge & encouragement freely. We build and collaborate to win and grow as a team, giving all to bring out the best, in others.



Learn

We read, learn, and embrace personal growth. We accept change as essential and continually sharpen our skills, knowledge, capabilities and embrace personal growth, and the work we do



Pay Attention To Detail

We are precise thorough and conscientious so that we produce our very best work.



Execute

We are Can Do people - accepting responsibility taking ownership, demonstrating initiative, adapting to change, and living up to our commitments.

Unique Identifiers

Our **FOCUS** is to create solutions that lead to relationships.

We do this by self performing our work with talented, trained & committed employees that share our core values. Engineering our systems and guaranteeing they will operate to the design specifications. Then managing those systems both on site and remotely to insure years of reliability and production.

Self Performed

All work from inception to completion is performed by our professional, trained and committed staff.



Engineered Systems

From the cable and connections through the Displays, Audio, Access Control and Surveillance all systems will be professionally engineered and guaranteed by CTCI to perform as specified.



Professionally Managed

To make sure that your initial investment is updated on the latest firmware and software patches and has been properly calibrated to insure consistency and reliably.



Proven Process

Needs Assessment



Design & Build



Project Delivery



We provide an in-house technical advice and scoping service for small to medium size projects, and work closely with professional consultants and architects to facilitate large scale projects.

In depth knowledge of the latest technologies enables us to design and build the optimal system for each specific environment, and ensures we deliver the most cost-effective solution

From start to finish, our experienced team will manage every aspect of your project, while all your documentation is accessible in real time via our dedicated Customer Portal.

Training



Support



As Learning is one of our core values, we believe training is pivotal to providing a good customer experience. A new interface can be quite daunting so we focus on simplifying the handover and increase user confidence and adoption.

Recognizing that customers rely on and expect exemplary service, we have created a range of robust support services which, in conjunction with our unique cloud platform, enable users to record and monitor the progress of any case. Our team is on hand to help you, whatever your requirement may be

Technology

Technology Overview



AUDIO VISUAL

Integrated AV systems enables communication which leads to better decisions & results.



IT INFRASTRUCTURE

Scalable and highly flexible network allows for continuous flow and reduces downtime.



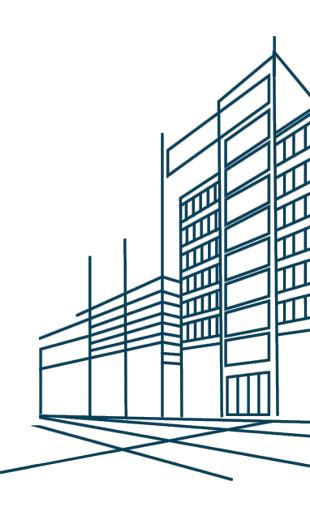
SOUND MASKING

Protect privacy, improve acoustics and improve workplace productivity.



CELLULAR ENHANCEMENT

Increase in-building cellular coverage, boost network capacity and improve wireless connection.



POE* LIGHTING

Improve control over light quality, lower energy bills, lengthen bulb life and optimize your office.

*Power over Fthernet

ACCESS CONTROL

Stay in full control with automated access and event recording.



Get real-time views of access points and easily correlate events.

PROPTECH

Digitally transform your property into a smart hub with technology-driven innovation in the data assembly, transaction and design.

MANAGED SERVICES

Seasoned professionals providing the capability to your company end-users and allowing your team to focus on your business core.











Audio Visual

CTCI Audio Visual technology supports the modern workspace by creating meeting rooms that are easy to use, schedule, and manage remotely. In addition, we have the system design experience, customer support, and enterprise software solutions to help ensure your success. Whether designing a large conference room, a training room, or smaller huddle spaces, it's critical to provide the right communication and collaboration technology to simplify and enhance meetings.



Our Advanced Technology Includes:

- Scalable Solutions: Technology solution must be customizable to meet the needs of various collaboration spaces from the smallest and simplest to larger and more complex.
- Intuitive Operation: Users must be able to enter the space and get going immediately without any training on the system.
- Flexible Capabilities: Users should be able to easily share the content from their laptops, tablets or phones with a wired or wireless connection.
- Secure Network Connectivity: To support scalability to dozens or hundreds of rooms in the enterprise, systems must be network connected to provide remote support, monitoring and firmware updates.





AUDIO VISUAL SOLUTIONS

KIOSK DIGITAL SIGNAGE

Kiosk devices serve a range of commercial needs. All-in-one and interactive kiosks are perfect for up-close, high-impact messaging and feature eye-catching images within sleek and slim designs. Great for grabbing attention in busy, high-traffic areas, and feature tenant directories, current news, stocks and corporate announcements. Content is unlimited and cloud-based for flexibility and ease of manage.

OPEN MEETING

Open floor plans flexibility is a natural fit for today's mobile employees, who often spend less time in the office. These accessible spaces can enhance team member morale, cooperation, and information flow among workers, management, and executives. They're ideal for convening impromptu collaborative meetings.

HUDDLE ROOM

The huddle space is a small and private meeting area. Like a traditional conference room, huddle spaces are generally outfitted with audio and video conferencing equipment, a display system, and a traditional or digital whiteboard. Huddle spaces are most often used for informal, on-the-fly meetings and remote participant teams. Depending on the organization's size and needs, an office may have several huddle spaces in addition to larger, traditional conference rooms.

COLLABORATION / MEETING ROOMS

Meeting spaces are designed to accommodate various seating capacities and configurations. From single to large to multiple displays with video conferencing capabilities. Rooms can be designed with specific software such as Zoom, teams, or be built to BYOD.



Room scheduling allows everyone the chance to plan their workweek if in-person meetings are necessary, without double booking or overbooking space. Room scheduling for smaller office spaces will make employees more conscious of their time and take full advantage of the office's time than ever before.

SOUND MASKING

The modern, open workplace has a lot of advantages, including increased collaboration and a sense of community among co-workers. Unfortunately, there are some disadvantages too. Low concentration thresholds when you can hear conversations and noise distractions all around you. Plus, near impossible for confidential/private conversations when everyone can hear just about everything. With Sound Masking you can create an environment that allows employees to stay productive while also helping secure their sensitive conversations.











IT Infrastructure

STRUCTURED CABLING

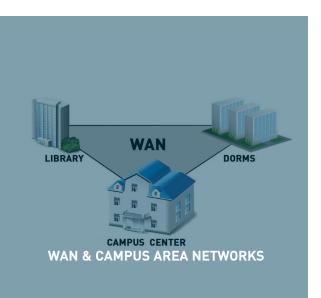
Cabling is a robust critical infrastructure that supports operations today, tomorrow and as technology continues to evolve. We find the 6 Sub-Systems of Structured Cabling to be the key pillars:

- Entrance Facilities
- Equipment Rooms
- Telecommunications Rooms
- Backbone Cabling
- Horizontal Cabling
- Work-Area Components

Infrastructure is being utilized to support Surveillance, Card Access, Audio Visual Systems as well as power low voltage lighting systems. With an applied focus on multi-systems structured cabling projects in the commercial sector, CTCI is involved in hundreds of construction and interior fit out projects per year, ranging from small service calls to multi-building or multi-floor, multi-campus and multi-year projects.

DATA CENTER INFRASTRUCTURE

The data center is the most important component of the enterprise infrastructure as it typically provides networking backup, recovery, cloud storage, and processing power. CTCI implements innovative UHD structured cabling solutions utilizing pre-terminated high strand fiber trunks, MPO/MTP connectors and high-capacity fiber enclosures. A properly designed, engineered and installed structured cabling system will: reduce system operational costs, including heating, cooling and power, and reduce installation and maintenance time. The structure of the cabling system maintains business continuity by minimizing sources of failure, promotes longevity of the infrastructure and an ease of upgrades with built-in modularity and scalability.





WAN & CAMPUS NETWORKS

CTCI designs, installs, services, and maintains Campus Area Networks including university campuses, pharmaceutical campuses and corporate buildings, often providing the transmission media (optical fiber, copper plant, coaxial, etc...) that connects the Networks. CTCI is trained and equipped to handle a variety of outside plant installations, including aerial, underground, blown, and direct burial.

In addition, CTCI services and maintains the existing Wide Area Network cabling for Public school districts throughout the state of NJ as well as municipal WANs. In many cases CTCI has also designed and engineered the support infrastructure including underground boring and trenching, conduit, pole erection and aerial support.

DAS SYSTEMS & CELLULAR ENHANCEMENT

Today even the strongest cell signals have trouble finding their way through the concrete, stonework, brick, insulation, coated glass and metal used to construct modern energy efficient homes, offices, retail and other buildings.

Cellular enhancement systems detect the available signal outside the building, bring that signal inside and amplify.

Then distribute the amplified signal throughout the building, assuring strong, reliable cell coverage wherever and whenever our customers need it. With a Distributed Antenna System, a network of antennas send and receive cellular signals from a single licensed carrier's frequency signal source thereby improving voice and data connectivity for end users.





PoE LIGHTING

A Power over Ethernet lighting system is smart lighting. It is the technology in which a device is now powered by low voltage rather than high voltage, with its capability to use an Ethernet cord to carry network data and electrical power to connected devices. This allows power to be delivered to more areas without the need of an electrician, nor the need to install additional electrical infrastructure or to have power outlets at every endpoint. When the Ethernet cable is plugged into the fixture it is automatically assigned a unique IP address which gives the user the ability to easily program commands and changes into the software, without having to rewire the lighting scheme. PoE technology combined with our compatible software platform enables you to control dimming, timing, sensors, lighting colors, daylight harvesting and so on to maximize efficiency and comfort. Additionally, data can be collected and allow users to keep an eye on usage and transmit maintenance indicators to notify designated staff of technical problems immediately as they arise.

Our Advanced Technology Includes:

- Long-term solutions to managing building system expenses while creating improved environments for optimal health and productivity of a building's occupants
- An advanced design to adapt to future iterations of new protocols and bring all data into one central cloud of optimized decision making
- Universal adaptability with advanced software that demonstrates that it is possible to have an open, non-proprietary 'plug & play. PoE system

POE SOLUTIONS

SMART OFFICE BUILDINGS

Using technology to reduce operational costs and increasing employee productivity and well-being. Our PoE lighting platform not only provides your employees comfort when it comes to lighting & temperature, but also is cost effective from the moment of installation to the maintenance and future adaptability.

APARTMENT & MULTI-TENANT BUILDINGS

Keep your units attractive & affordable, while gaining a return on investment with our PoE lighting system. Our intelligent lighting system is one that improves the bottom line for owners, the day-to-day life of residents, and sets the building up for future adaptability. Residents will benefit from improved safety features, including emergency lighting capabilities and customized experiences and spaces.

SMART HOSPITALS

PoE lighting reduces costs, increases patient satisfaction & outcomes and improves staff productivity. Our platform allows for patient rooms to have specialized lighting & controls, while also ensuring proper distribution of light throughout spaces with large equipment, like operating rooms. This empowers the institution to improve the quality of care by managing noise levels with low lighting and maintain comfortable temperatures.

SMART SCHOOLS & EDUCATION BUILDINGS

PoE lighting applications can provide classrooms & campuses that are safe, healthy, energy-efficient and provide an ideal environment for learning while reducing operating costs. PoE platforms can address issues such as:

- Safety: its integrated gunshot detection that can provide emergency lighting, first responder information and video feeds
- Productivity: increases productivity by optimizing light & temperature in classrooms, including color-tuning to create ideal environments throughout the day

INTELLIGENT DATA CENTERS

Data centers are huge consumers of energy, require extensive cooling systems and can never be offline. Intelligent Data Centers go beyond lighting controls and use sensors, loT devices, data, real-time location services, and intelligence to create an environment that is safer, more efficient, easier to maintain and reduces overall costs.

PropTech

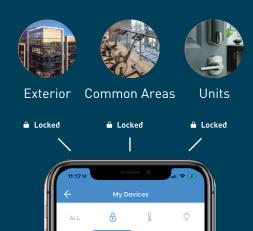
PropTech (Property Technology) is the use of information technology (IT) to help individuals and companies research, buy, sell and manage real estate. PropTech uses digital innovation to address the needs of the property industry. PropTech is designed to streamline and connect processes for participants in all stages of the real estate market, including buyers, sellers, brokers, lenders and landlords.

ACCESS MODULE

Property Managers and Residents gain credentials For all access points including exterior (plus garage Door), common areas and unit locks.

Benefits of our Door Entry & Access Control Solutions:

- Secured: smart locks meet rigorous Industry standards for cybersecurity, reliability And durability
- Easy Access: simply slide or long tap on the unlock button on the Mobile App 2.0 to unlock your nearby lock
- All-in-One: view all your credentials including common area doors at a glance
- Offline Locks: many common areas, elevators and amenity access points, as well as many unit locks can be unlocked even if your mobile device is completely offline



WATER MODULE

Leak detectors are a must if you want to avoid water damage and extra costs. FACT: 57% of leaks would have been successfully detected by surface mounted leak sensors.

Benefits Include:

- Swift: Residents will be notified when there is a leak
 in their unit making it easier to contact maintenance
 before damage can occur
- Avoid Property Damage: property managers will know where a leak is occurring before it causes damage which could affect overhead costs

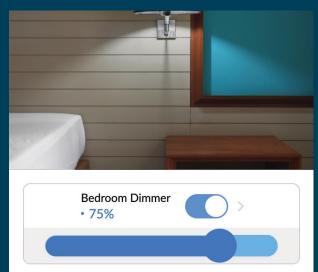


SMART LIGHTING

Residents can turn outlets & lights on, off or dim them from anywhere with the Mobile App 2.0. The Management App helps the Property Manager control lighting and outlet usage in vacant units as well as common areas.

Benefits Include:

- Seamless Experience: use smart lighting to create your perfect scene and dim the lights by moving the slider
- Control Fans & Outlets: full integration with fan switches as well as smart outlets
- Protocol Integrations: supports select WiFi lighting controls and ALL Z-wave and Zibgee lighting controls



HVAC MODULE

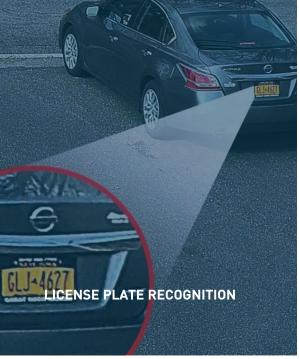
Residents can control their thermostat remotely from their phone while Property Managers can control the thermostats in vacant units and monitor energy usage over a preferred customized time.

Benefits Include:

- Customization: Residents can customize their comfort level by using the 'Schedules' feature in the Mobile App 2.0
- **Control Remotely**: increase & decrease the temperature using the slider on the App
- Energy Savings Modes: select from different thermostat settings to save on energy costs
- Create Scenes: set up schedules to match your everyday routines or create a scene to trigger when you're on your way home







Security Systems

CTCI is a provider of modern security solutions for the everevolving workplace environment. Whether you require a traditional on-premise solution or prefer the flexibility that a cloud-based solution provides, CTCI provides solutions to fit your needs.

As no two organizations are alike, there is no "one size fits all" approach to securing a space. Because of this, CTCI's seasoned design staff will work with you to build solutions that are tailored to the needs of your space, your teams, and your budget. After the dust of construction and installation settles, and the builders have left your space, CTCI hopes to remain as your trusted advisor and service provider, ensuring the continued success of your security operation. With that in mind - if your space and security systems are existing, but need attention and updating, CTCI is ready to provide that attention and suggest enhancements to your systems through threat assessment, preventative maintenance programs, and service and maintenance agreements to keep your system operating normally.

SECURITY SYSTEM SOLUTIONS

ACCESS CONTROL

Card readers, electronic locks, exit devices, and local notification devices working together to secure your space. Paired with the use of your smartphone as a credential instead of a traditional plastic card, CTCI can help you modernize this mainstay of electronic security.

IP VIDEO MANAGEMENT SYSTEMS

Surveillance cameras managed by a central piece of software - another seemingly obvious component of electronic security. Did you know that advances in IP camera technology allow the use of Al to count people in a space, provide heat mapping, and save activity data based on shirt color, age, gender, and send alerts based whether or not a person is wearing a face mask? All of these operations are possible when the proper cameras and compatible systems are used, and CTCI can furnish, install, and configure them for you.

SECURITY TURNSTILES

The classic entry barrier, updated. CTCI has partnered with several turnstile manufacturers to bring you more modern hardware, integrated with access control by badge, visitor system barcodes [on paper or on a mobile device]. using mobile credentials, or even biometric devices such as fingerprint, hand wave, or even facial recognition.

LICENSE PLATE RECOGNITION

LPR [or ALPR, for Automated License Plate Recognition] allows specialized cameras to be used to identify a vehicle based on their license plate. While typically used in the context of law enforcement, where license plate reads are compared to a "hotlist" that identifies wrongdoers, there is a strong use case for facility entry use. where your license plate becomes your access card. Upon recognition of an allowed vehicle, LPR integrated with access control can allow the vehicle access to your facility without your end users opening a window or speaking to a single person. As always, these tools can be used to identify persons that you would prefer to deny access to as well and be automatically notified of their presence so that you can take appropriate action.

CLOUD-BASED SYSTEMS

Sometimes referred to as Software as a Service, or SaaS, cloud-based systems require no on-premise server. The servers are owned and maintained by the software manufacturer and relieve you of the financial and management responsibilities associated with owning your own servers. Access Control, Video Management, and Visitor Management systems can not only be run in the cloud but are also very easily integrated with one another when run on these external platforms. CTCI has several cloud options for you to consider!





Managed Services

Commercial Technology, powered by CTCI, offers technology service contracts for all IT Infrastructure, Audio Visual and Security System's needs. Our contract solutions are designed to increase your organization's productivity with innovative and personalized solutions while decreasing your IT operational cost with flexible and transparent billing.

Commercial Technology's comprehensive managed systems services will keep your day-to-day operations running smoothly. We will take care of the technology nuts and bolts so your employees can stay on-mission supporting your business goals.

Your business is important, and it has unique needs to operate at peak efficiency, therefore we offer custom contracts where all service deliverables can be modified to meet any company's individual needs. Our contracts are designed to help ensure a maximum return-on-investment for each Client's technology spend.



MANAGED SOLUTIONS

- Unlimited help desk support, weekdays 7AM – 7PM
- Guaranteed call back time within 4 hours during business hours
- Unlimited guaranteed on-site support within 48 hours
- (4) Rapid response service calls within 24 hours
- Unlimited Warranty /. RMA Support
- Unlimited Product manufacturer warranty asset management
- Manufacturer firmware / software updates and extended coverage
- Replacement part covered under manufacturer warranty

Cloud-Based UC Management Infrastructure Tool

- 24/7 Remote device monitoring across all UCaaS Platforms
- Professionally manage and maintain health of Networked AV, and IoT devices associated with a Poly, Cisco, Teams or Zoom Collaboration spaces, eliminating work-flow down-time
- Our cloud-based SaaS platform provides our clients with self-healing, analytics and the ability to manage multiple UC software and hardware devices at the same time from one dashboard – giving you the peace of mind knowing your AC/UC infrastructure is up and running
- Yearly reporting
- Preventative maintenance visits
- Discounted professional services such as; programming, engineering, CAD work for existing systems and upgrades

Support

3 WAYS TO REACH OUR SUPPORT TEAM



EMAIL service@ctcitechnology.com



WEBSITE ctcitechnology.com



TECH SUPPORT LINE

973 594 9500



T 973 594 9500



Scan QR for Tech Support

Government Purchasing Programs

CTCI is involved in New Jersey's State, Government and County Purchasing Cooperatives. These types of cooperative arrangements provide government agencies such as, Municipalities, Schools, Colleges and Universities, with direct purchasing channels consisting of various services at fixed reduced costs of procurement. CTCI understands the strict budgets of government entities and are aware that the procurement bid process is a rigorous and timely process, therefore we took the necessary steps to streamline the process for you and were awarded contracts to meet your demands.

AWARDED CONTRACTS



NEW JERSEY STATE CONTRACT

Name: NJSTART T2424

Contract: 17-TELE-00232

Title: Surveillance & Access Control



SOMERSET COUNTY - ESC

Name: ESC of Somerset County

Contract: CC-0056-20

Title: Open End, Data Cable Installation

& Related Services



MERCER COUNTY

Name: Mercer County Cooperative

Contract: CK09NERCER2021-18

Title: Telecom Cable Installation & Repair



HUNTERDON COUNTY - ESC

Name: ESC of Hunterdon County

Contract: HCESC-CAT-22-09

Title: Physical Security Products



MORRIS COUNTY - ESC

Coop Name: ESC of Morris County

Contract: EDS BID #: 10437

Title: MSRP Tech / AV / Computer /

Interactive Whitebds

Certifications & Affiliations

AQAV



AVIXA



IBEW



ASIS



NECA



PSA



BISCI



NSCA



USAV

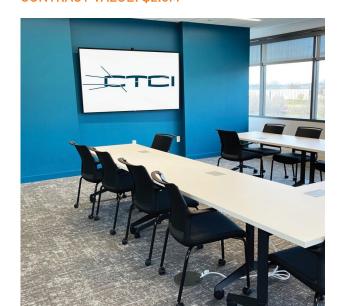


Project Profiles

GENMAB Genmab

Genmab contracted CTCI to provide turnkey AV Communications and Sound Masking systems covering new construction on 4 floors at their location in West Windsor, NJ. The system design benefited from the AV being within the network's core [Crestron NVX / Cisco]. Team rooms, huddle spaces, open public spaces, and executive board rooms are all part of the Network AV Infrastructure. A Sound Masking system was designed and deployed to support productivity in the open office environment designs from floor to floor. CTCI is engaged in day two remote helpdesk to support technical issues and end-user support for effective corporate meetings.

CONTRACT VALUE: \$2.8M



NJ DEPT OF HEALTH

NJ\$EDA

NJ Department of Health contracted CTCI to provide turnkey AV Communications and Sound Masking systems covering new construction on 8 floors at their location in Trenton, NJ. The system design benefited from the AV being within the network's core [Crestron NVX / Netgear]. Microsoft-based rooms, including huddle spaces, open public spaces, executive director board rooms. and large multipurpose training rooms, are all part of the Network AV Infrastructure. Microsoft Teambased video conferencing, presentations, wired and wireless, and BYOD were key parts of the requirements. The commissioner's request for employees to be agile was critical to the design. A sound masking system was designed and deployed to support productivity in the open office environment designs from floor to floor.

CONTRACT VALUE: \$1.3M



EVEREST REINSURANCE – U.S. HEADQUARTERS EVERESN Z

Everest Re Group, Brumuda, contracted CTCI to provide turnkey AV Communications and Sound Masking systems covering new construction within 2 buildings spanning four floors at their US HQ building in Warren, NJ. Working closely with Everest Re's IT group, CTCI deployed various AV systems in various collaboration spaces, multipurpose and training rooms. All of these AV systems are centered around CISCO Webex. The client demanded featurerich, easy-to-use systems for presentations and video conferencing calls via wired, wireless and BOYD connectivity. CTCI worked closely with the AV and Acoustic consultant to succeed the clients demands to achieve a world-class AV system for their boardroom. Additionally, a sound masking system was designed and deployed to support productivity in the open office designs on all floors.

CONTRACT VALUE: \$3.5M



Product Alignment

AUDIO VISUAL









































































































SOUND MASKING





CELLULAR ENHANCEMENT / WIRELESS ACCESS





IT INFRASTRUCTURE

- CABLE/CONNECTIVITY















































SECURITY

- ACCESS CONTROL































































POE LIGHTING



PROP-TECH

STRATIS.









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