

# AV, IT, AND SECURITY

*Every space has a story. We make sure the technology tells it right.*

## OVERVIEW

### *A building's technology is its nervous system.*

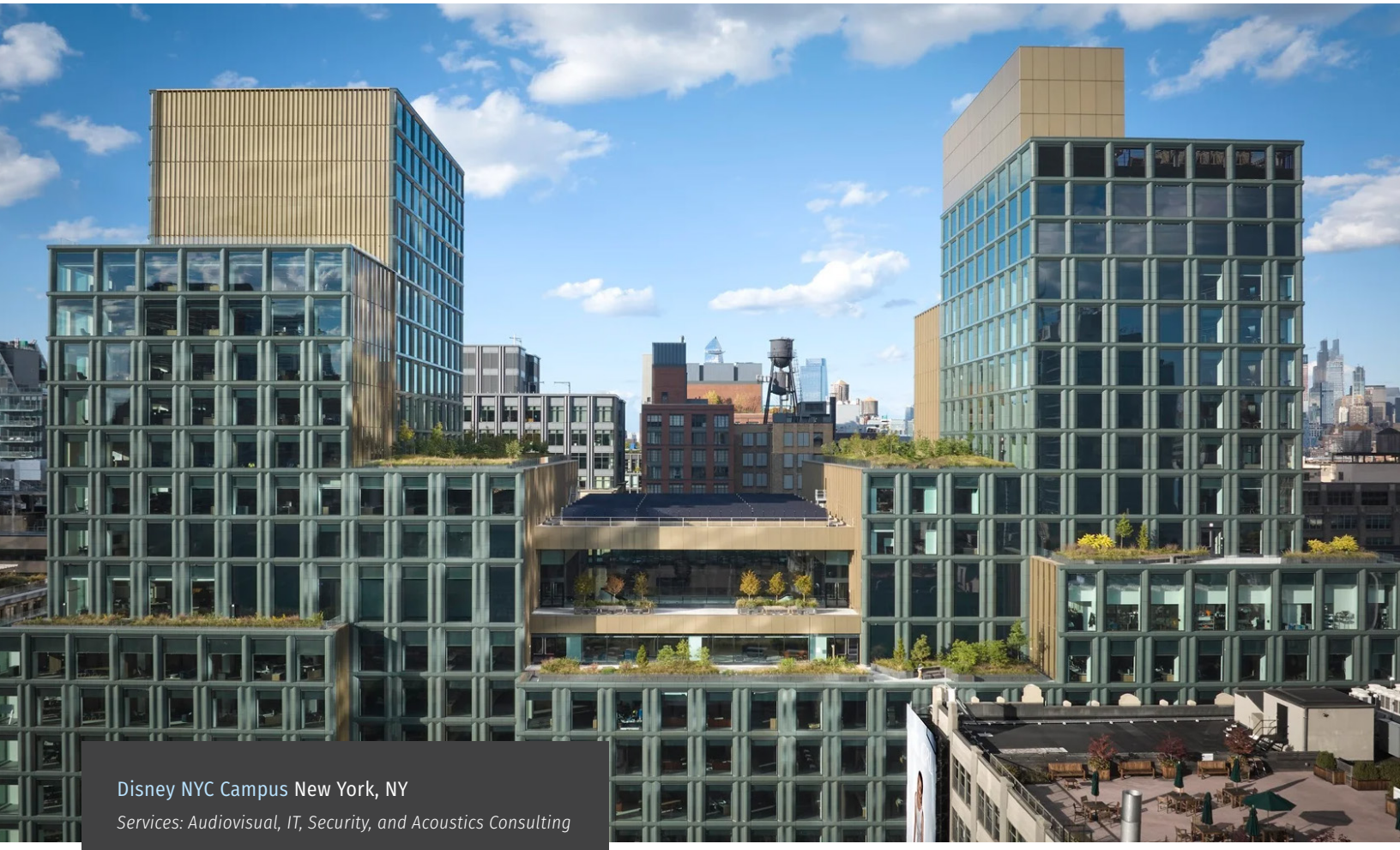
When it works, people connect, collaborate, and move through space without friction. When it doesn't, everything stops. Trinity Consultants' Built Environment team — drawing on the expertise of **Cerami, Longman Lindsey, Valcoustics, Jaffe Holden, JB&B, and WorkingBuildings** — designs building technology and security systems that hold up under real-world conditions: complex environments, demanding users, and the certainty that technology requirements will keep evolving.

We are the silent partner architects and technology managers rely on — present before the first procurement decision, still accountable at final commissioning. Our AV, IT, security, acoustics, engineering, and operational specialists work as a single coordinated team, not a collection of independent consultants. The result is a building that communicates clearly, protects its occupants, and adapts to what comes next.

**3K+**
corporate interiors fitouts.

**5,000+**
video displays for scoreboards, billboards and signage.

**360K**
frames-per-second of WFH video conferencing capacity.



Disney NYC Campus New York, NY

*Services: Audiovisual, IT, Security, and Acoustics Consulting*

## Technology Strategy and Advisory Services

The most costly technology decisions are made before a single wire is pulled. Our strategy and advisory practice helps owners, developers, and institutions make informed, forward-looking choices across AV, IT, and security disciplines — clarifying what systems are needed, how they should integrate, and what the building will need to support five years from now. We provide this guidance before design begins and before procurement locks in paths that are difficult to reverse.

## AV, IT, and Security Program and Project Management

The most costly technology decisions are made before a single wire is pulled. Our strategy and advisory practice helps owners, developers, and institutions make informed, forward-looking choices across AV, IT, and security disciplines — clarifying what systems are needed, how they should integrate, and what the building will need to support five years from now. We provide this guidance before design begins and before procurement locks in paths that are difficult to reverse.



### Unified Collaboration Spaces

*Employees across all business units can now collaborate in wireless-first spaces with self-supporting meeting tools and unified technology platforms.*




### AV Space Design & Integration

*Our AV team designed all AV-enabled spaces throughout the building, including digital experiences, room booking, training and conference rooms, multi-purpose spaces, and monumental video walls in lobby and audience areas.*

We prioritize ***flexible infrastructure*** and ***user-friendly controls***, with expertise across the following space types and systems:

- Video walls, large format display, and lobby displays
- Workplace collaboration solutions
- Boardroom and conference room systems
- Classroom and presentation systems
- Video teleconferencing rooms
- Background music and paging
- Theaters, auditoria, and multipurpose spaces
- Cable and satellite television distribution
- Digital signage
- Digital and video wayfinding

## AV Systems Strategy and Design

Every room makes a claim about how people will work, learn, perform, or connect. AV strategy and design is how that claim becomes reality. We define how people will present, collaborate, teach, communicate, and experience a space — then develop the audiovisual systems to support it. Our practice spans performance venues, academic learning environments, houses of worship, corporate facilities, hospitality venues, government facilities, museums, and sports venues.

Our designs prioritize flexible infrastructure and user-friendly control systems appropriate for each project, with experience spanning digital signage, AV presentation, audio and video conferencing, capture, storage and distribution, live streaming, and collaboration environments.

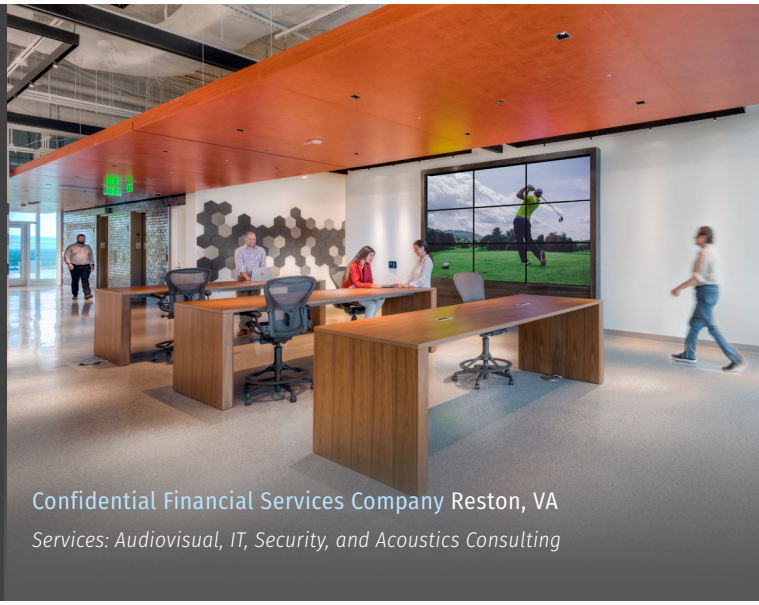
## Integrated Communication Networks and IT Infrastructure

The network is what makes a building intelligent. Integrated communication infrastructure connects people, devices, building systems, security platforms, AV environments, and operational technologies — and when it is planned well, the rest of the project follows. Our technology consulting practice coordinates voice, data, multimedia, unified communications, access control, surveillance, smart building systems, high-performance Wi-Fi, distributed antenna systems, and mission-critical facility networks from the earliest design stages.

*Coordinating these systems early reduces conflicts, improves interoperability, and establishes infrastructure that supports current operations and absorbs what comes next.*

### The services we provide under this discipline include:

- Voice, data, and multimedia network design
- Unified communications systems
- Access control and video surveillance
- Power over Ethernet (PoE) lighting
- "Smart Building" systems
- Integrated building network systems
- High-performance Wi-Fi and distributed antenna systems
- Computer center, trading floor, and mission-critical facilities
- Regional, municipal, and campus telecommunications master planning



Confidential Financial Services Company Reston, VA

*Services: Audiovisual, IT, Security, and Acoustics Consulting*

### Telecommunications Infrastructure

Telecommunications infrastructure is the physical and digital backbone of connected buildings. Our practice covers the planning and design of voice, data, and multimedia networks; telecom and equipment rooms; backbone and horizontal cabling; pathways; and documentation. This infrastructure supports AV, IT, security, wireless, and smart building systems — and is designed with future technology refresh cycles already in mind.

Our campus and municipal telecommunications master planning capability addresses distributed infrastructure across multiple buildings, sites, and geographies — relevant for higher education, healthcare systems, corporate portfolios, government installations, and municipalities planning improvements at scale.

### Wireless Connectivity Modeling

Hear it before it's built — and model it before it fails. Wireless connectivity modeling helps clients understand how Wi-Fi, cellular, and distributed antenna systems will perform before a facility is occupied. We evaluate coverage, capacity, interference, building materials, device demand, equipment locations, and antenna placement. Predictive modeling identifies gaps and conflicts early, allowing design teams to plan pathways, coordinate telecom spaces, and build wireless systems that hold up under the full weight of occupant demand.

Trinity Consultants

## Integrated Campus Technology

*Multiple connected buildings operate as one unified campus with seamlessly integrated security, future-ready IT infrastructure, and tailored AV solutions throughout.*



NYU John A. Paulson Center New York, NY

*Services: Audiovisual, IT, Security, and Acoustics Consulting*



## Security Integration

*Trinity delivered intelligent, discreetly integrated security systems across Dubai Expo 2020, embedding cameras within the iconic canopy and self-sustaining "trees," while partnering with UAE security forces to establish a new standard in command operations.*

Dubai Expo 2020 Dubai, UAE

*Services: Audiovisual, IT, Security, and Acoustics Consulting*



## Security Design

Security that works is invisible until it's needed — and essential the moment it is. Our security consulting and design practice helps clients protect people, assets, information, operations, and facilities through integrated systems that respond to real risk without creating friction for the people who use them every day.

Services include:

- Electronic security system design
- Access control
- Video surveillance
- Visitor management and visitor experience
- Biometric and facial recognition authentication
- Risk Assessments/Security Surveys

Our work includes security needs assessments, basis-of-design narratives, device layouts, specifications, construction coordination, commissioning support, and operational guidance. Every security program we develop is designed to be intuitive for users, maintainable for operators, and coordinated with the broader technology environment.

## Integrated Design for Secure Environments

Giving buildings their signature voice means more than good technology — it means systems that work together as a unified whole. Our acoustic designers work alongside the technology consulting team to coordinate AV, IT, and security systems design within the broader architectural and operational context, delivering a user experience that is bespoke, resilient, and aligned with what each client's building actually needs to do.

This integrated approach is particularly relevant for complex environments — government facilities, financial institutions, corporate headquarters, research campuses, and mission-critical facilities — where security, communications, and building systems must function as a coordinated whole rather than a collection of independently designed components.



Dubai Expo 2020 Dubai, UAE

*Services: Audiovisual, IT, Security, and Acoustics Consulting*

# Why Trinity Consultants

From early strategy through design, construction, and operation, Trinity Consultants helps clients create building technology and security environments that are connected, resilient, and built to last. Our integrated Built Environment platform brings together technology strategy and advisory, AV design, IT infrastructure, security systems, telecommunications, wireless, smart building systems, campus master planning, commissioning, and operational expertise — so project teams identify requirements early, coordinate infrastructure, avoid late-stage surprises, and deliver facilities that perform as intended from the moment the doors open.



## CONTACT OUR TEAM!

For more information about how we can help your organization, please contact us.

**Trinity Consultants | Built Environment**
*built-info@trinityconsultants.com*

CERAMI
JAFFE HOLDEN
JB&B
LONGMAN LINDSEY
VALCOUSTICS
WORKINGBUILDINGS

Trinity Consultants

SCAN OR CLICK THE QR CODE TO LEARN MORE

We're committed to sustainability—please print responsibly.