

Healthcare Solutions

Maximize operational efficiency and patient care.



[Michigan Medicine, University of Michigan Health \[Crestron Electronics, Inc.\]](#)

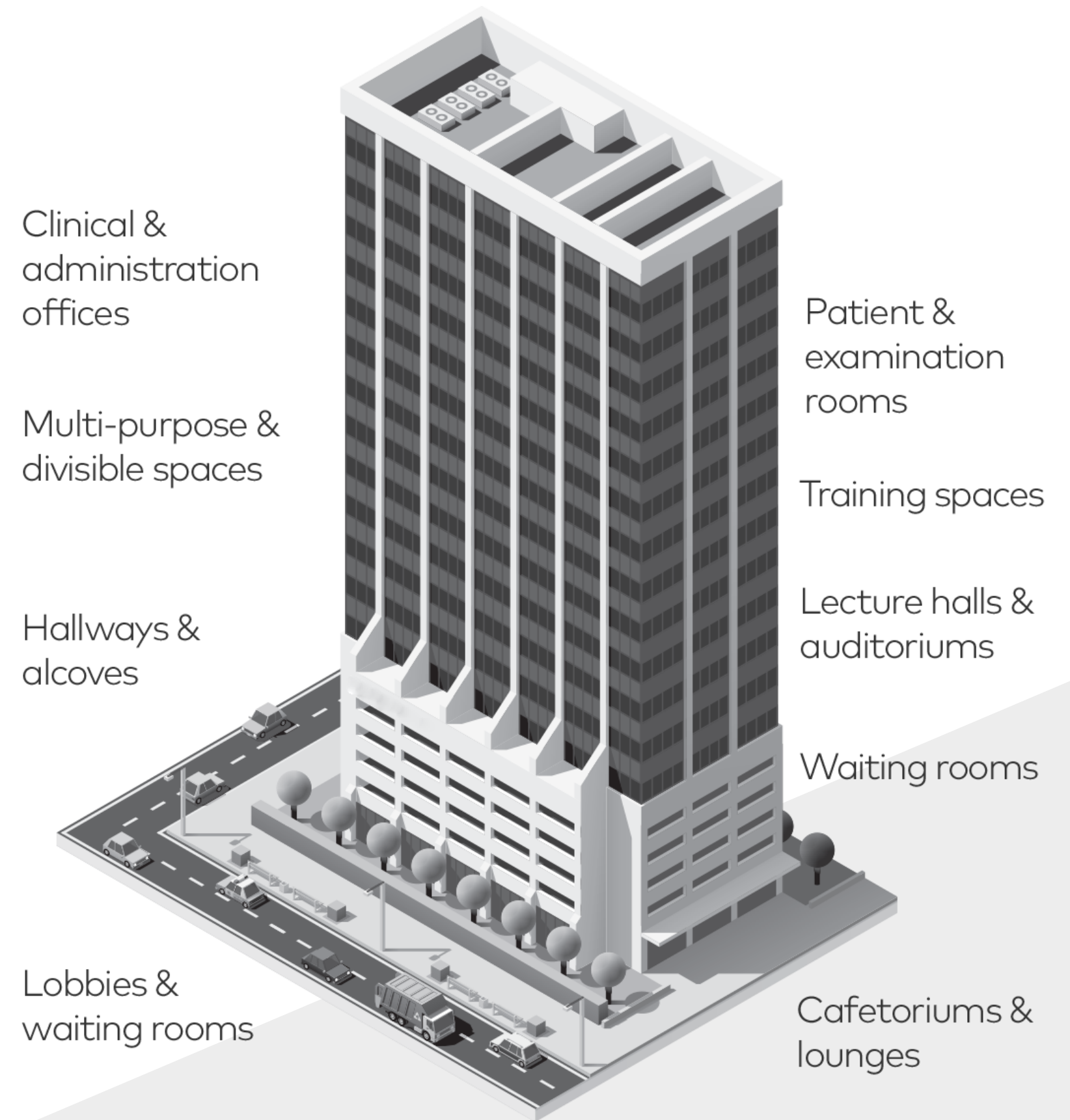
Healthcare: the system as a whole

Crestron innovative technologies facilitate connection, collaboration, communication, comfort, and control in just about every meaningful aspect of our professional and personal lives.

This is vital at healthcare facilities.

The well-being, comfort, and overall atmosphere in schools of medicine, regional hospitals, and local facilities rely on dependable, secure, and user-friendly technology.

Crestron room and building control, digital content distribution, intelligent video conferencing, collaboration, and technology management platforms can optimize any health and wellness sector facility.



Healthcare

The system as a whole, made a whole lot better



Engineered to be reliable, secure, and easy to use, Crestron technologies work in sync with other building systems — and the rest of Crestron’s deep portfolio of AV solutions — to unite operational and information technology.

It is easily interoperable, widely scalable and uniquely capable.

The end-user operation provides seamless support of purpose, whether as an administrator, healthcare provider, medical educator, or patient.

“With Crestron, we found new ways to integrate cutting-edge technological innovations into the build of our smart hospital rooms.”

-- Patrick Fenningham
Chief Product Officer, EIR Healthcare

[Northern Health \[Crestron Electronics, Inc.\]](#)



Healthcare

Tech in use: clinical & training

Operating rooms & education centers, simulation labs, observation rooms



AV-over-IP transmits high-resolution, secure video and accompanying audio to monitors, and supports single and multi-displays by group or location. It is ideal for remote or on-site use, ensuring high-quality, low-latency video in observation suites.

Touch screens provide easy access to room controls for video, audio, lights, temperature, and feature one-touch pre-set scenes for different situational needs, such as dimming an observation room lights and turning on audio.

“DM NVX is the only U.S. government certified AV-over-IP solution that provides a safe and secure platform.”

-Dr. Aaron Ali,
CEO and Co-Founder, MedtoMarket

([Learn more](#))



Healthcare

Tech in use: clinical & administration offices

Private offices, meeting rooms, boardrooms



Easy-to-use and reliable AV and unified communications systems are crucial for effective collaboration, especially in administration and clinical settings. By leveraging these technologies, teams can stay connected, foster innovative research, and maintain a collaborative environment.

Intelligent audio and video conferencing enables inter-departmental collaboration. One-touch meeting starts and easy room control allow focus to be on the meeting and not the technology. Multiple optical zoom cameras and voice-activated switching ensures remote participants enjoy a clear, crisp view of everyone in the room and in-person participants never have to think about where to look to follow the conversation.

Calendar integration and room scheduling promotes efficient room usage for administration and staff. IT managers get insight into room usage so they can optimize space management.

Colleagues and visitors can share and conference from any device with **secure wireless presentation**. Features split screen for up to four presenters.



Healthcare

Tech in use: large spaces

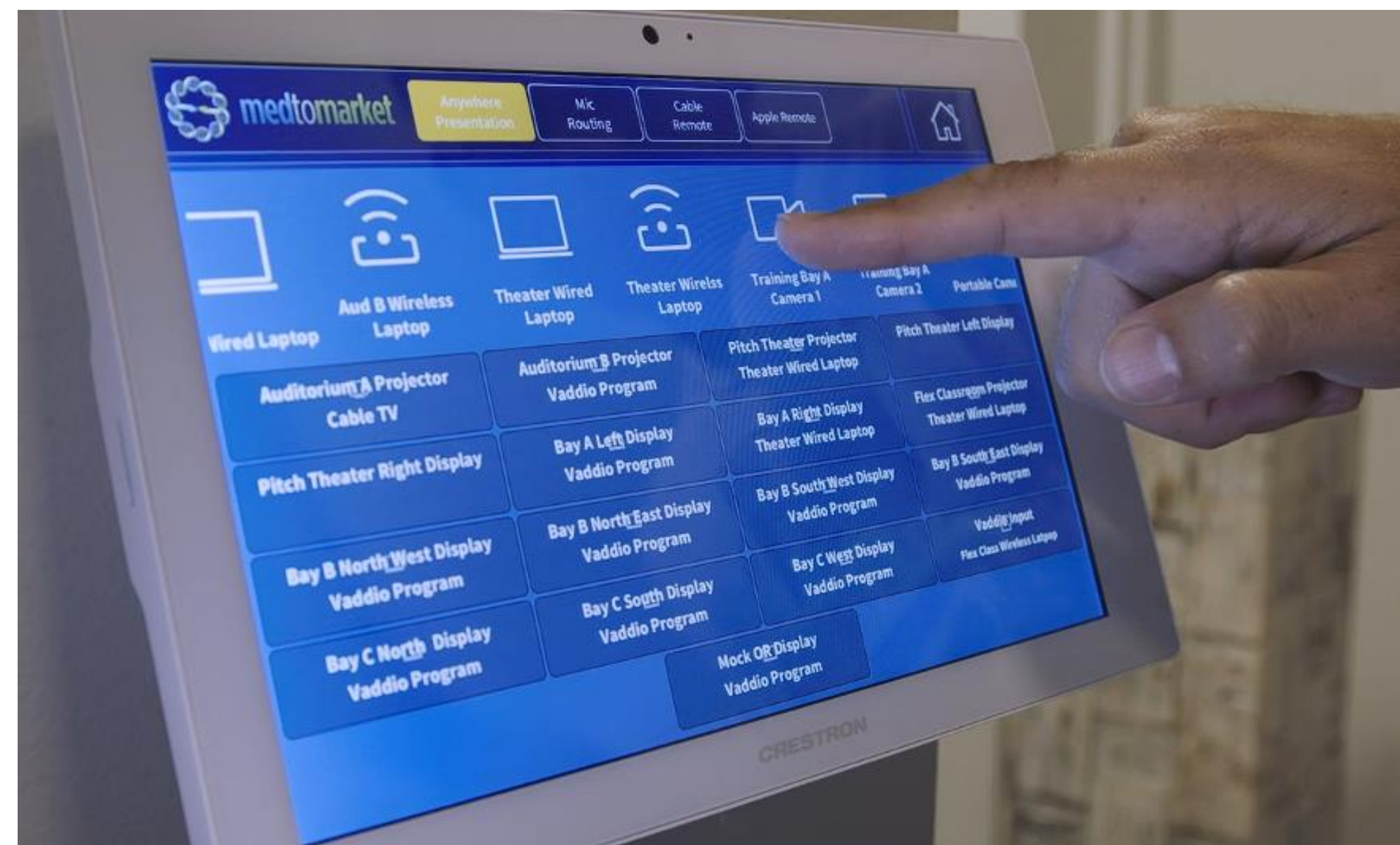
Multi-purpose & divisible spaces, lecture halls & auditoriums

In teaching hospitals and other large spaces, intuitive control interfaces are essential. These spaces need the flexibility to seamlessly switch between different configurations based on their specific use.

In lecture halls, all-in-one audio, video, and **control presentation systems** guarantee seamless presentations.

Additionally, in large divisible spaces, sensors can automatically execute **preprogrammed AV configurations** based on the room divisions and space configurations.

Touch screens provide centralized access to control various AV devices, enabling users to manage audio and video distribution, lighting, and displays with ease.



Tech in use: public spaces

Lobbies, cafeterias, hallways, lounges



Healthcare visits can be inherently stressful. Reducing that stress begins right at the lobby. A well-designed space that is inviting, informative, soothing, and efficient sets the tone for the entire patient experience.

From intuitive displays to seamless control systems, Crestron enhances the overall ambience and functionality of healthcare lobbies.

Digital signage provides entertainment, highlights the facility's services, and conveys vital information, helping patients relax while they wait, and keeping patients, staff, and visitors informed.

Wayfinding maps on displays throughout the facility offer easy navigation and area information.

Audio in waiting areas provides needed information and calming music.

Lighting control for pre-programmed & scheduled lighting scenes depending on types of spaces & times of day.

Occupancy sensors in various spaces provide automatic on/off of lighting and shading, displays and audio for touchless environmental settings.



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Tech in use: patient rooms

Telehealth rooms, smart patient rooms, pediatric rooms, isolation rooms, and maternity rooms.

The use of comfort-enhancing technologies can make the patient's stay more pleasant, while communication technologies ensure clear and efficient interaction between the patient and healthcare providers.

Touchscreens empower patients to adjust TV, lights, shades, and temperature for maximum comfort.

AV-over-IP video distribution allows staff to monitor patient rooms from their observation stations for safety and wellbeing. Video feeds can turn on when a patient moves or makes a noise to always ensure their safety.

Circadian lighting provides an environment that promotes improved healing capabilities for patients, and a more soothing environment for everyone. It promotes better sleep, alertness and mood.

Secure BYOD wireless presentation enables patients and healthcare professionals to view test results and other significant findings together on the room's display.



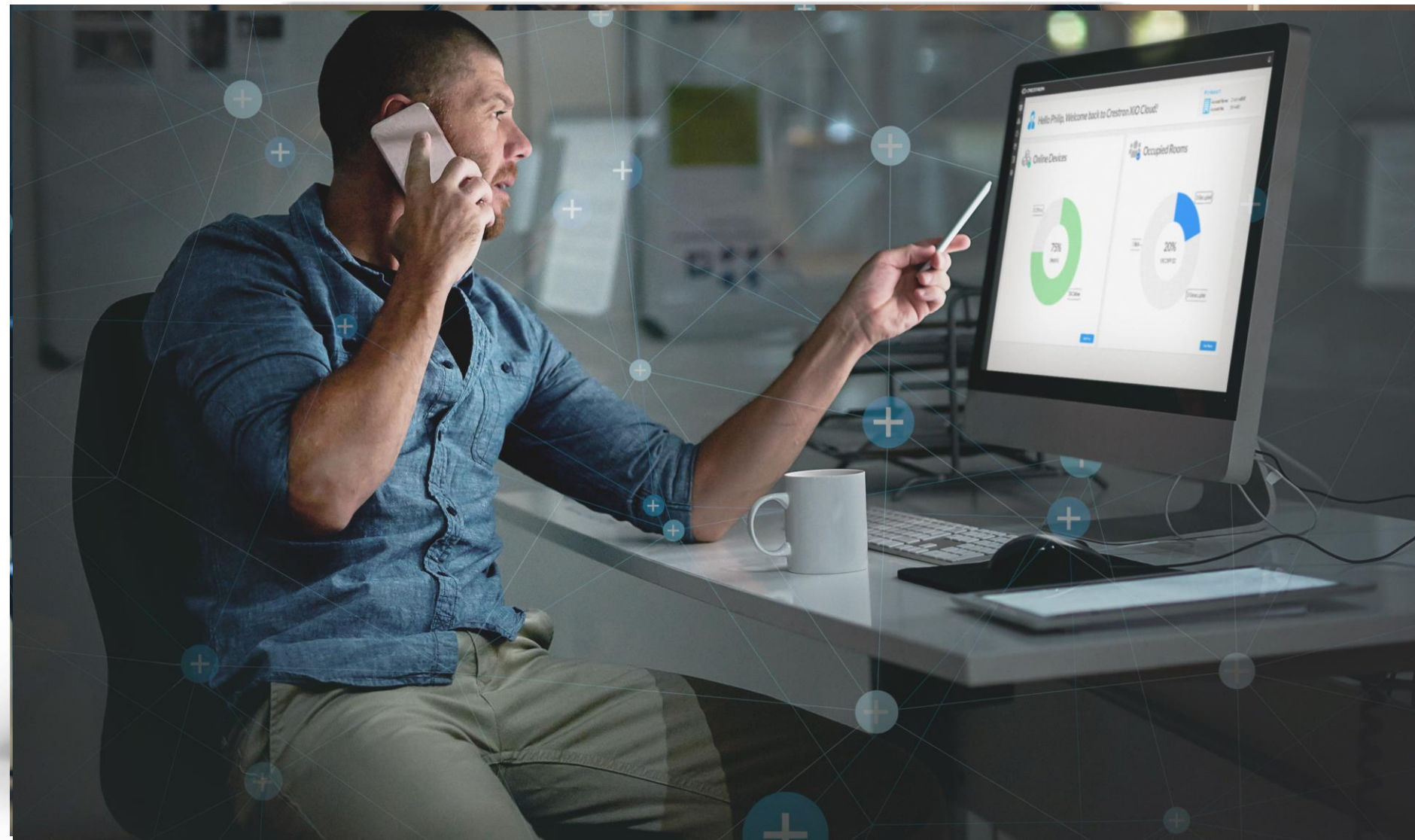
Crestron solutions are easy to deploy, manage, replicate and scale. From small spaces to very large, from a few to 1,000+.



Healthcare

Tech in use: **tech management**

Access all your workplace technology in one place with **XiO Cloud® platform**.



From waiting rooms to lobbies, observation suites to patient rooms, AV and IT administrators can see and control all of their technology everywhere from **one dashboard**.

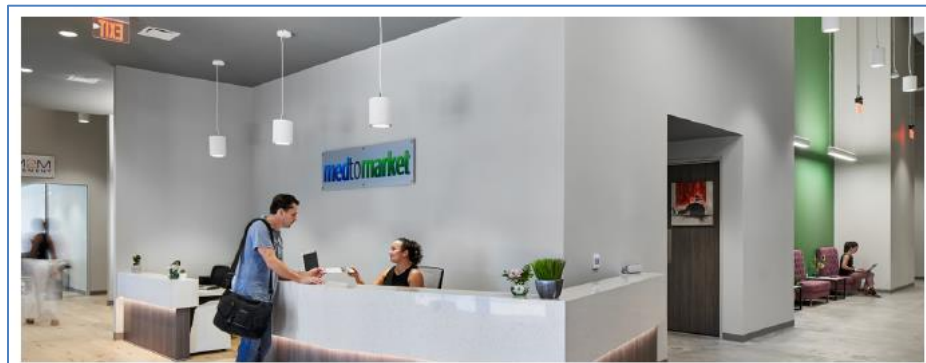
- **Remote support** - Troubleshoot remotely on the spot for faster resolutions.
- **Maintain operations standards** - Schedule updates, budget, and forecast more efficiently.
- **Manage device lifecycles** - Save time, increase room uptime, and mitigate risks.
- **Enhanced insights** – A deeper, detailed view of your technology for more effective real estate planning, and for budgeting.



Healthcare

Resources: case studies

Explore case studies that highlight Crestron technologies in the sector. Each facility needed tailored solutions, and all of them required cutting-edge, secure technologies that run flawlessly from behind-the-scenes building management to smooth patient interactions.



MedtoMarket

INTRODUCTION

MedtoMarket is disrupting traditional opaque and bureaucratic medical innovation by providing unique co-working spaces, lab resources, and event centers to innovators, entrepreneurs, and end users in the field of medicine. MedtoMarket goes beyond the typical operating room setup by providing a full-service ecosystem with access to leaders in the medical community, simulated operating rooms, and active learning spaces.

"THE MERGING OF TECHNOLOGY AND MEDICINE IS CRITICAL TO THE ADVANCEMENT OF OUR INDUSTRY AS A WHOLE. WITH CRESTRON, MEDTOMARKET CAN PROVIDE AND SUPPORT NEW INNOVATIONS TO HELP REVOLUTIONIZE THE FIELD OF MEDICAL TECHNOLOGY."

Dr. Aaron All
CEO and Co-Founder
MedtoMarket



[READ CASE STUDY](#)



Boulder Community Health

INTRODUCTION

Boulder Community Health (BCH) is a community owned and operated not-for-profit health system dedicated to providing high-quality medical care in Boulder, CO and surrounding areas. BCH has offered the broadest and deepest range of behavioral health services in Boulder County for the past 100 years.

"OUR VISION WAS TO PROVIDE STAFF AND PATIENTS WITH TOOLS TO HELP REDUCE STRESS AND SUPPORT RECOVERY AND WELLNESS. WITH CRESTRON, WE WERE ABLE TO CREATE AN ENVIRONMENT THAT PROVIDES OUR PATIENTS WITH AN EXPERIENCE UNIQUE TO OUR MENTAL HEALTH FACILITY."

Marjon Pekelharing RN, BSN, PhD
RN Manager Inpatient Behavioral Health,
Boulder Community Health



[READ CASE STUDY](#)



Hudson Valley Community College

INTRODUCTION

Located in Troy, New York, Hudson Valley Community College (HVCC) has been a first-choice higher education destination in the Capital Region of New York state for more than 60 years. The HVCC campus offers a wide variety of academic spaces, including labs, lecture halls, and smaller traditional classrooms, all of which are designed to improve the learning experience.

"CRESTRON HAS HELPED US MEET OUR GOAL OF MODERNIZING ALL TECHNOLOGIES TO BETTER SERVE OUR STUDENTS AND FACULTY."

Jonathan Brennan
Chief Information Officer,
Hudson Valley Community College



[READ CASE STUDY](#)

Images in this presentation are from case studies noted on this page. Browse all case studies [here](#).

[EIR Healthcare](#)
[Craig H. Neilson Rehabilitation Hospital](#)

[One Safe Place](#)
[Michigan Med School](#)



Healthcare

Resources: video case studies

Hear from the people at MedtoMarket and The Kayal Orthopaedic Center about what their particular technology needs were and how Crestron fulfilled them.



Offering a seamless working environment where medical professionals can collaborate and learn, MedtoMarket has revolutionized the field of medicine by utilizing DM NVX™ AV-over-IP technology to support research and innovation.



Historical, and still relevant: The Kayal Orthopaedic Center features state-of-the-art facilities, cutting-edge technologies, and a collaborative approach to patient care and treatment.



Healthcare

Resources: information & training



Crestron offers sales, technical and design training courses for dealers and end-users.

Browse the Crestron Technical Institute portal [HERE](#)



“We have used Crestron for a number of our initiatives across campus. Crestron solutions, training, and support allow us to standardize the experience for our team and internal clients.”

-- Rob Levitt Audio & Video Services Manager, Michigan Medicine, University of Michigan*



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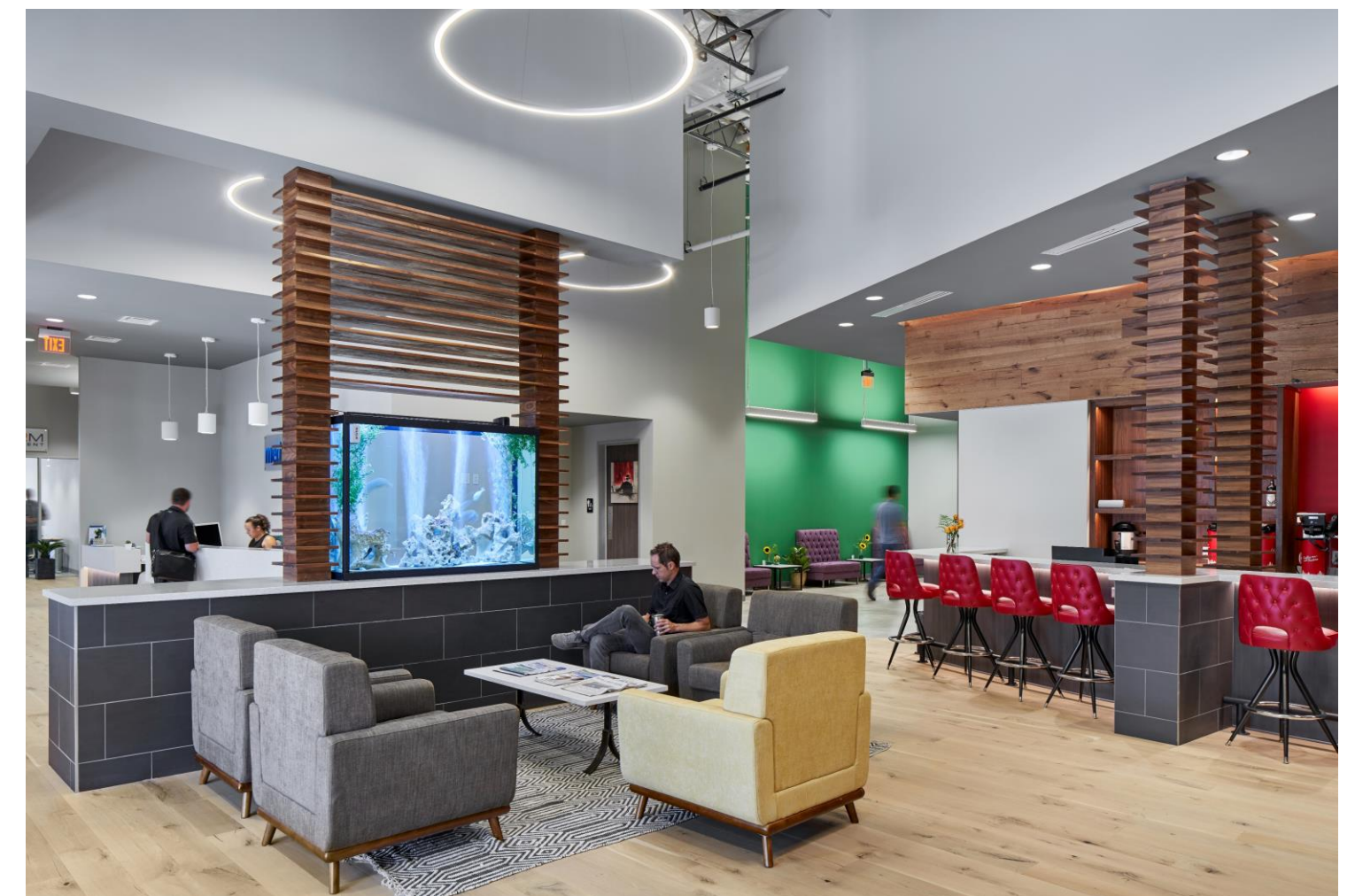
* Title provided for identification purposes only. The views and opinions expressed are those of the individual only and do not necessarily reflect the positions of the University of Michigan.”

Resources: designs

[BROWSE THE DESIGN DATABASE](#)



[PREVIEW SIMULATION LAB DESIGN](#)



[PREVIEW CAFETERIUM / COMMON SPACE DESIGN](#)



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Healthcare: Crestron technology solutions

Flexible. Scalable. Reliable. Secure. Managed.

[Crestron DigitalMedia™](#)

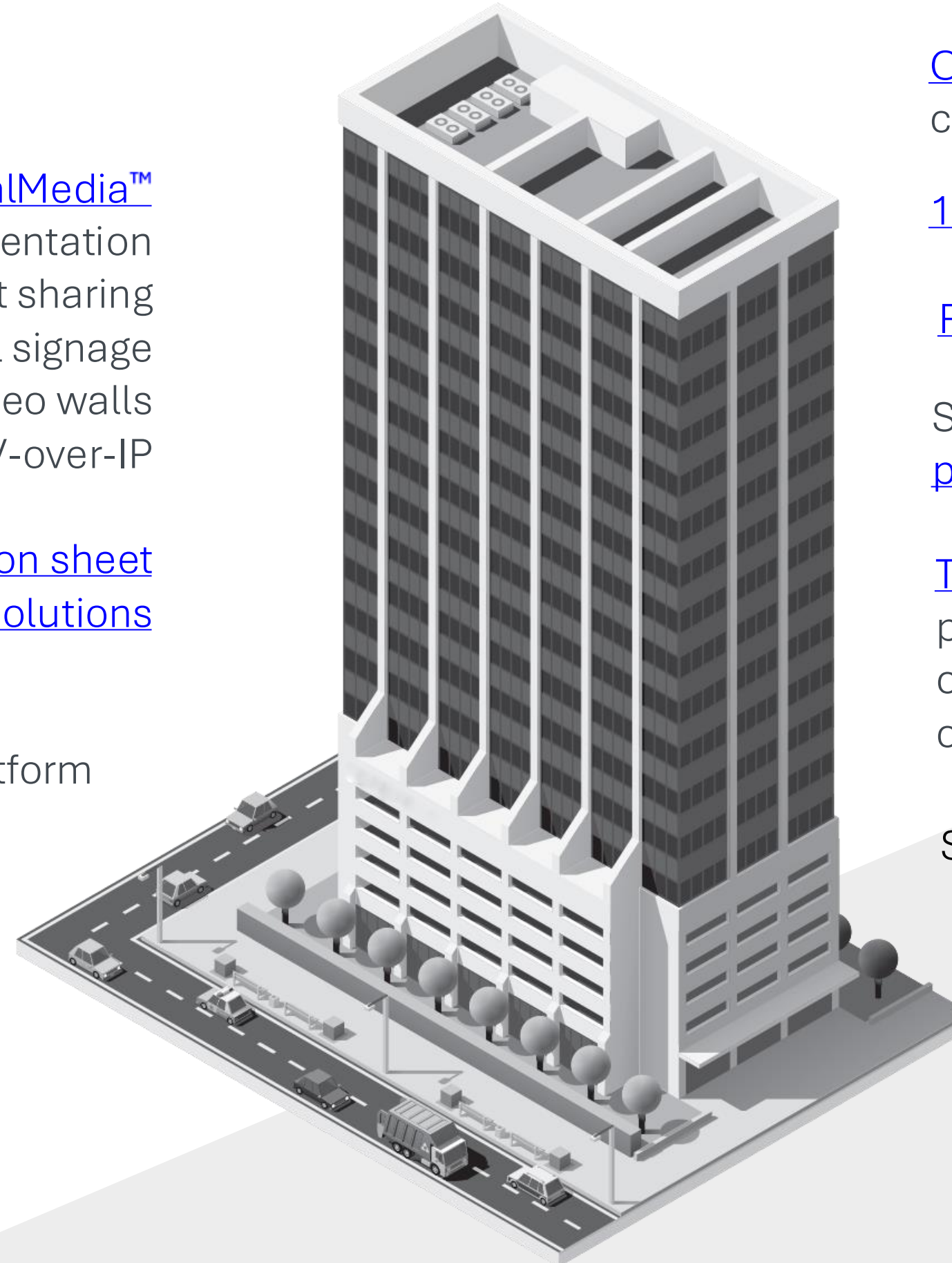
Presentation
Content sharing
Digital signage
Video walls
AV-over-IP

[Information sheet](#)
[DigitalMedia™ solutions](#)

[XiO Cloud®](#)

Technology management platform

Zūm [outdoor lighting](#) and
[wireless lighting control](#)



[Crestron Flex](#) intelligent video conferencing

[1 Beyond Multi-camera experience](#)

[Room Scheduling](#)

Secure BYOD: AirMedia® [wireless presentation & conferencing](#)

[Touch screens](#) for anywhere people share information, connect with technology, or command a space ([info sheet](#))

SolarSync™ for [circadian lighting](#)

Interested to start the conversation? Contact your local Crestron representative.
General inquiries? Click [here](#).



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Thank you



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