

A professional broadcast studio with a large camera in the foreground and a host in the background.

**BELDEN**

# Broadcast Studios Solutions

Enhanced Broadcasts and Immersive Experiences Start Here





## Consumers are rewriting the rules for broadcast entertainment. Are you ready?

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Today's viewers are looking for more than a typical broadcast. They crave experiences and content delivery in different formats. And their demands will only intensify.

To deliver on these expectations, broadcasters like you must prioritize higher bandwidth, better connections and the transition to IP and the cloud. You also need greater flexibility in the way content is produced so you're ready for whatever tomorrow brings—whether it's augmented and virtual reality, broadcasting or 5G capabilities.

### Are you prepared to give consumers what they want?

Your first priority should be a reliable, high-performance broadcast network infrastructure to create groundwork that supports broadcast innovation. Once that's in place, everything else becomes possible.

Belden is the trusted brand in AV cabling and connectivity, with a proven track record of innovation, quality and consistency. With unmatched warranties and a product offering that includes traditional audio and video, networking and fiber optic cable and connectivity, we have the solution to help you integrate analog, digital, fiber transport or IP-based systems.



# History of Broadcast Firsts

## From Wireless Radio Broadcasting to Setting Worldwide Broadcast Cabling Standards and Beyond

For over a century, Belden has remained steadfastly focused on customers and building a reputation for quality, ingenuity and value.





# Broadcast Facility Solutions from Belden



CER (Central Equipment Room) 1

MDA (Main Distribution Area) 2

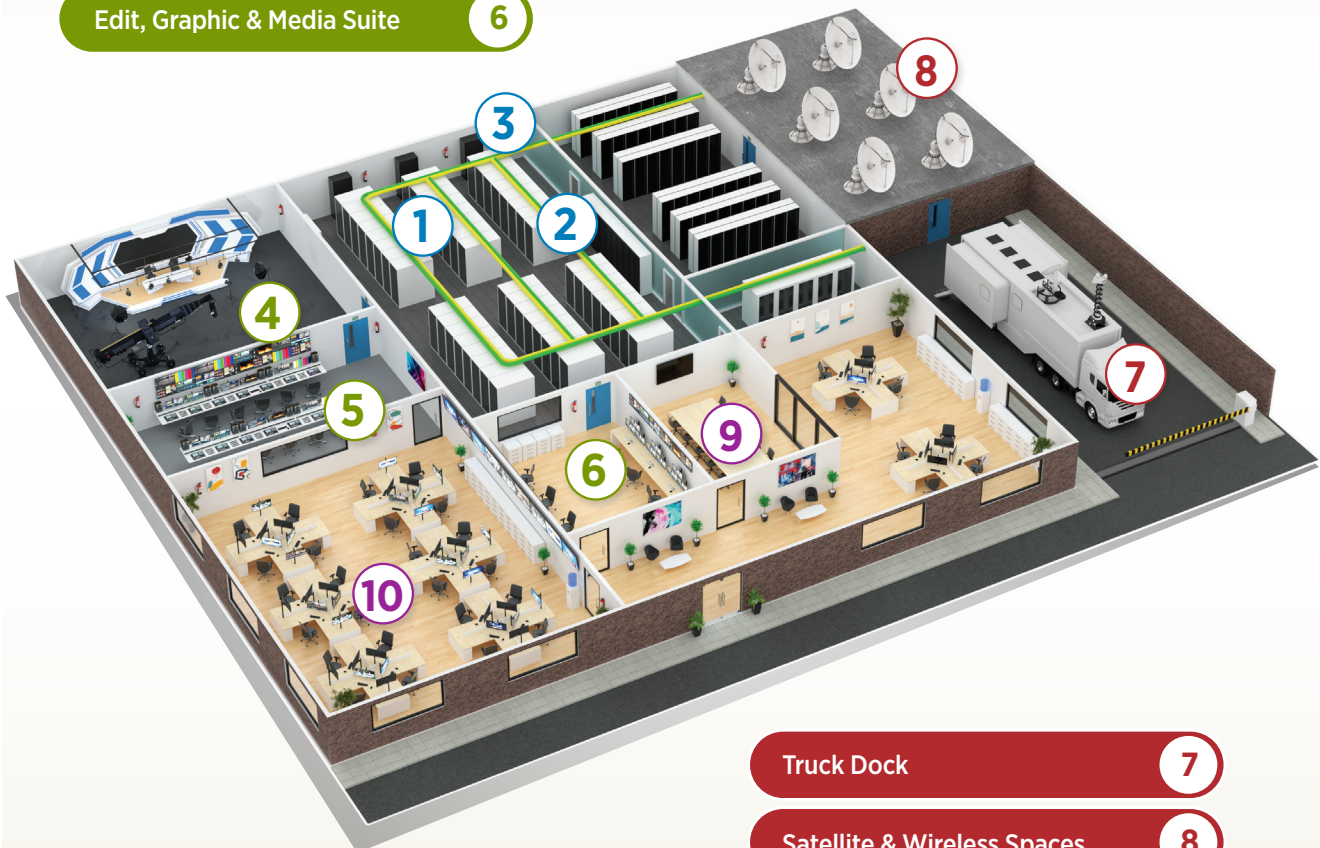
Transmission Signals Area 3

Broadcast Studio 4

Production Control Room 5

Edit, Graphic & Media Suite 6

Belden offers connectivity infrastructure solutions to create flawless broadcasts and establish powerful connections with viewers in an ever-changing industry.



Truck Dock 7

Satellite & Wireless Spaces 8

Conference Room 9

Newsroom 9



## CER (Central Equipment Room) 1

In addition to being power and cooled effectively, the valuable equipment in the CER needs to be protected, mounted and easily linked with other equipment.

Belden offers cabling and connectivity needed in these spaces—from 12G-SDI, fiber and high-speed IP infrastructure to cabinets and enclosures that protect vital broadcast equipment. Our vast array of broadcast enclosure racks can be tailored to fit your needs. We also provide power distribution units and heat containment systems for your design.



### Featured Products:

- Category cabling and connectivity
- Fiber cabling and connectivity
- Heat containment
- Power distribution units
- Racks and cabinets
- SDI coax cabling and connectivity
- SMPTE fiber

## MDA (Main Distribution Area) 2

Belden provides several cross-connect and inter-connect solutions to securely transfer signals.

In addition, Belden's DCX System supports fiber-dense broadcast environments. Cabinets provide front access and can be placed on a wall or at the end of the row. They can also be placed back-to-back. The DCX System supports multiple fiber termination options, including top of rack and small wall-mount enclosures. Inside the cabinet, connections can be made with one patch cord length.



### Featured Products:

- Custom fiber assemblies
- DCX System fiber solution
- Low pressure molded assemblies
- MPO, splice and LC cassettes
- Patch cords
- Top-of-rack solutions

## Transmission Signals Area 3

To get your signals out to viewers, Belden offers rack-mount and wall-mount solutions. Our wall-mount enclosures feature a locking component that not only saves space but also separates your cables from providers to secure your broadcast.



### Featured Products:

- Fiber wall-and rack-mount options
- DCX System: end-to-end fiber network solution

## Broadcast Studio 4

If you need studio cabling, Belden provides multiple configurations designed to meet local code requirements, including SMPTE, SDI video coax, triax and IP cabling for cameras. We also have the industry's widest selection of audio snake cables in analog and digital configurations. Control cables for DMX lighting and other control systems are also available.



### Featured Products:

- Camera cables
- DMX lighting control
- Microphone cables
- Speaker cables

## Production Control Room and Edit, Graphic and Media Suite 5 6

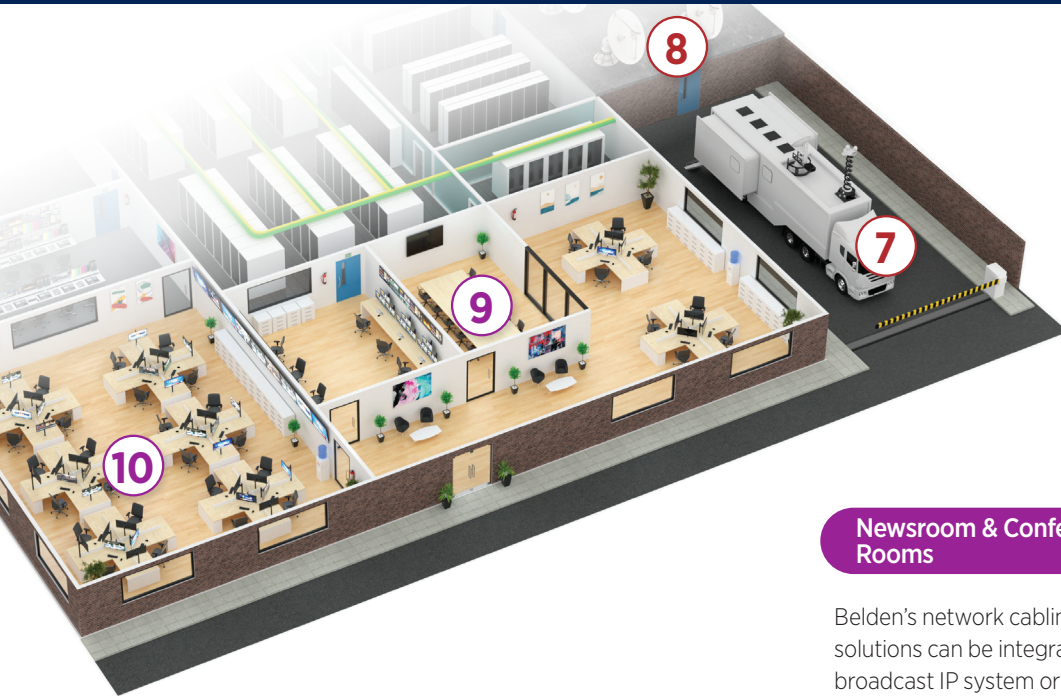
To connect these small rooms back to the CER, Belden's Zero U and wall-mount bracket solutions allow fiber and copper to be mounted on the wall or under a desk when space for a cabinet or rack-mounted gear isn't available. For consistency, they support the same terminations found in rack-mount solutions.



### Featured Products:

- Fiber M Box and Zero U bracket
- Fiber wall-and rack-mount options
- Racks and cabinets
- Fiber cabling and connectivity
- Category cabling and connectivity
- SDI coax cabling and connectivity
- Control cables

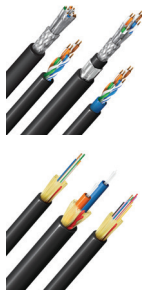
# Broadcast Facility Solutions from Belden



## Truck Dock

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To connect trucks to your truck docks, Belden offers lightweight, flexible cables that integrate seamlessly with existing building cables. From tactical fiber to flexible versions of coax, SMPTE and audio cables, they're rugged in design to withstand frequent use, movement and deployment.



### Featured Products:

- Flexible, temporary cables and connectivity (camera, audio snake, SDI)
- Racks with strain relief brackets

## Satellite & Wireless Spaces

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From broadcast signals to the outside world, Belden provides unique 50 Ohm coax cables that support both power and signal transfer. From small cables for wireless microphones to large outdoor versions used on cellular towers, we offer a complete line of OSP cables.



### Featured Products:

- Outside Plant (OSP) Rated cables
- 50 Ohm Coax

## Newsroom & Conference Rooms

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Belden's network cabling and connectivity solutions can be integrated into your broadcast IP system or kept separate—whatever your situation requires. Our Category 6 and 6A systems offer the industry's best guaranteed performance. When installed by certified Belden integrators, we also offer a 25-Year Product Warranty and Lifetime Application Assurance.



### Featured Products:

- Fiber cabling and connectivity
- Category cabling and connectivity
- Commercial AV cables

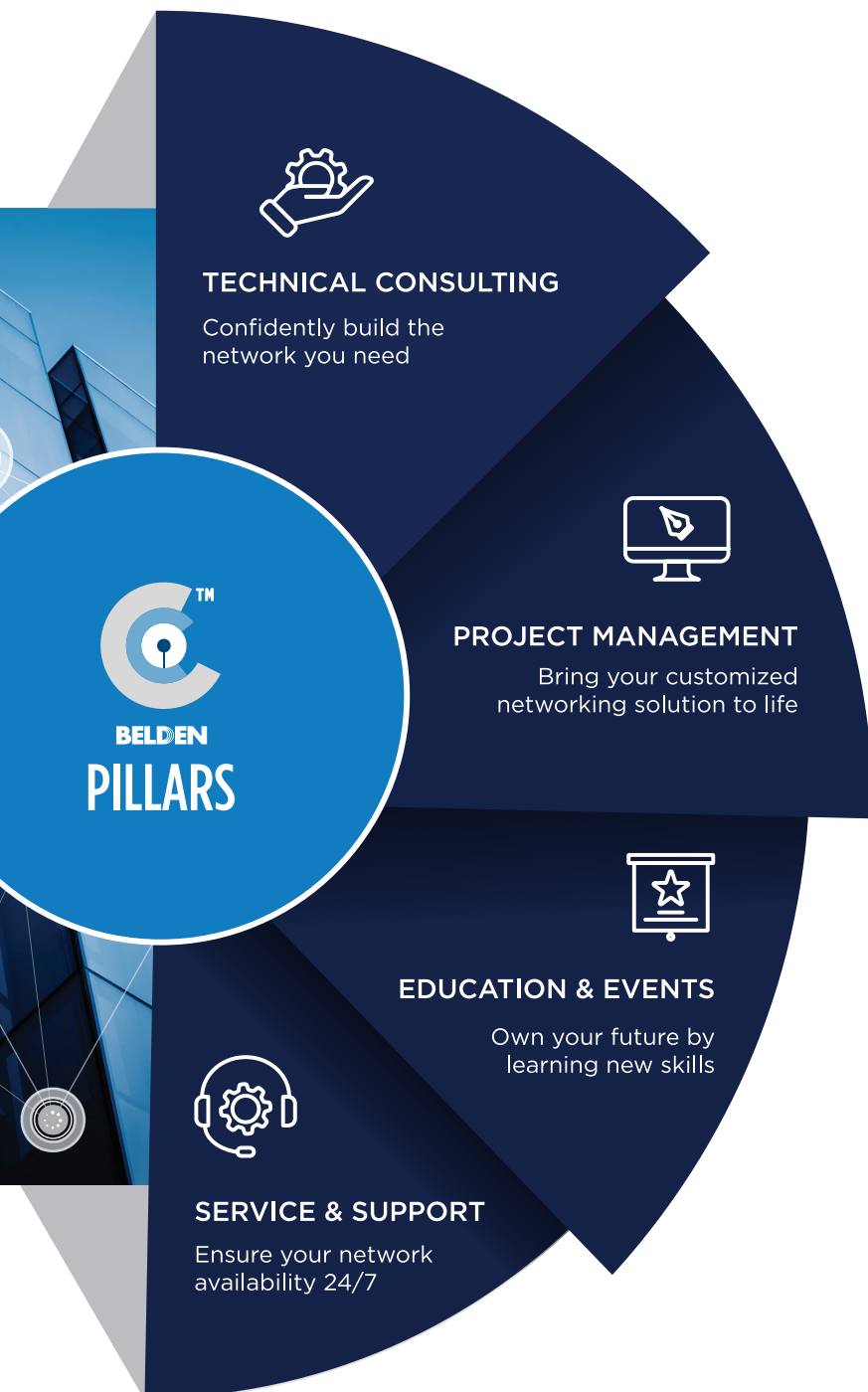




## Guaranteed Network Performance to Enable Five-Nines Availability

Network downtime isn't an option. That's why you need a partner who can ensure that critical network infrastructure is always available without malfunctions or security issues.

Because your network challenges are unique, you need service and support agreements designed for you and your organization. Our Customer Innovation Centers (CICs) exist exactly for this reason.



## Powerful In-House Expertise

Winning takes the right team: Belden's broadcast team is respected and trusted across the media and entertainment industry. Belden's solutions are in some of the largest facilities in the world, using our decades of industry experience to design and deliver premium performance.

Our collaborative methodology provides tailored expertise that keeps your facility on pace with tomorrow's technology and user demands. This unique combination of people, products and perspective is why studios, trucks, venues, and AV integrators and consultants have known and trusted Belden for decades.

- **TECHNICAL CONSULTING**
- **PROJECT MANAGEMENT**
- **EDUCATION & EVENTS**
- **SERVICE & SUPPORT**



**CONTACT A BELDEN SOLUTIONS  
EXPERT TODAY.**

### Learn More

Use this QR code to access literature, applicable products and more information on Belden's broadcast facility solutions.



## KEY NORTH AMERICAN LOCATIONS

### UNITED STATES

#### Division Headquarters

401 Pennsylvania Parkway, #200  
Indianapolis, IN 46280  
USA  
Phone: 317-818-6300  
Inside Sales: 800-235-3361  
Fax: 317-818-6382  
info@belden.com

### CANADA

#### National Business Center

2310 Alfred-Nobel  
St-Laurent Quebec H4S 2B4  
Canada  
Phone: 514-822-2345  
Inside Sales: 800-235-3361  
Fax: 514-822-7979  
info@belden.com

### MEXICO

#### Regional Office

Av. de los Nogales  
No. 290 Fracc. San Carlos,  
Heroica Nogales C.P. 84090  
Nogales, Sonora México  
Phone: 52 0264 2060  
Fax: 52 0264 2126  
customerservice.mx@belden.com

For worldwide sales and technical support, visit:  
[www.belden.com/about/locations](http://www.belden.com/about/locations)



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