RDI

Bring New Life To Your Events & Performances

Professional AV Solutions For
Education, Auditoriums,
Gymnasiums, & Sports Complexes

Award Winning | Nationally Recognized | 100+ Certifications | 5,000+ Projects | 35+ Years | Dedicated Staff

About RDI

Established in 1984, R & D Industries, Inc. (RDI) holds its roots in humble beginnings. RDI was originally founded to satisfy a case-by-case need for technology and Audio Engineering for a diverse customer base. Locally owned and operated for more than 35 years, RDI proudly serves audio and visual needs for education facilities in Iowa and Minnesota.

As an industry leader, our business and reputation are built upon a foundation of trust. Our ability to deliver the highest quality solutions and services to our customers remains at the heart of our focus.

75+
Years Of Combined Experience

Our Staff Is Ready To Provide You With Quality Service For The Life Of Your System

- Certified Training from RDI Team Experts
- Project Planning & Design
- Repair Service
- Technical Support
- Routine Maintenance
- Expert Help Desk Support
- Installation & Configuration

You're In Good Hands!

RDI maintains trusted partnerships with industry-leading technology vendors, delivering you the best products for the best value. We are certified dealers for over 100 of the industries' top manufacturers. Our team has trade and industry certifications including: CTS, Dante, EASE, Biamp, Iconyx, DMC, LVT, Smaart, Crestron, Yamaha, JBL, and many more. With RDI you can trust your technology selection, system engineering, and installation integration are always in good hands.

Audio Engineering Services

Professional Sound Systems
Providing Complete, Clear, & Optimized Acoustics

With architectural studies and industry-leading products, RDI has the technical expertise to achieve the maximum performance for any sound system. Our industry-proven techniques take full advantage of sound reinforcement, electrical characteristics, and consider variables such as space occupancy and environmental conditions. Our experts scratch-build every project to ensure you get the right fit for your gym, auditorium, music room, or sports complex.

Projection & Display Systems
Visual Messaging For Streaming & Recording

Whether your educational facility needs a broadcast/streaming camera system or a video projection system, our team designs systems that offer ease-of-use, versatility, and impressive results. We can assist with a variety of simple and sophisticated needs that range from one screen to complex multi-screen environments that encompass a range of video resolutions.

Security Cameras & Systems
Constant Physical Security & Surveillance

Physical premise security is a long-standing concern for any property. Our state-of-the-art security camera systems are engineered to provide on-demand HD video, recording, file retention, and automatic alerting for your staff. Our expert security consulting provides recommendations and engineering to help educational facilities achieve right-sized systems. Camera systems designed with optimal security coverage help maintain a secure facility in a challenging environment.

Consulting, Design, Integration, & Management
Our Process – Your Vision

You are paramount to our success. We believe in adding value by providing services that assess, develop, and support your audio/visual needs. The importance of a great design is vital, and when implemented properly, is timeless. From inception to completion, it is our goal to ensure that you are involved every step of the way. Our team is excited to invite you into our process and strives to meet all your needs with open consultation, state-of-the-art designs, timely installation, and polished systems.

Professional Sound Systems

For Gymnasiums, Auditoriums, Music Rooms, & Sports Complexes

Audio/Video Systems That Empower Learning

Whether in a classroom, auditorium, gymnasium, theater, performing arts center, or on an athletic field, sound clarity and visual appeal have been proven not only to enhance communication but also assist in the audiences' overall experience. RDI's engineering team not only provides a varied range of audio and visual services for schools, universities, and institutes of higher learning, but our team is constantly keeping up with the newest certifications and vendor relationships. This dedication allows our team to provide the best possible solutions and prices for your specific project.

Making Your Vision A Reality

Imagine an environment that excites students to learn, encourages interaction, and drastically cuts back on repetitive teaching methods. These types of facilities exist and are becoming increasingly popular through the design and implementation of modern audio/visual systems. Sound systems for schools are designed to ensure that everyone in the room can hear the message clearly. Studies have shown that a person's ability to listen can have powerful effects on their ability to comprehend a lesson or gain the most from a performance.

Invariably, the ability to hear is directly affected by the acoustic make-up of the room. At RDI we understand that acoustical treatments can significantly improve the intelligibility of the sound in your school's gymnasium, auditorium, or music room. Our staff can simulate the effectiveness of acoustical solutions by utilizing computer-aided modeling and recommend the best course of action to improve sound quality.

Here With You Start to Finish

Our staff has designed and implemented hundreds of sound reinforcement systems for gymnasiums, auditoriums, theaters, and athletic facilities. Regardless of the venue, our approach is the same; to provide clients with a system designed to match the facility, goals, and budget.

If your school is building or remodeling, our professionals will work with your architects or committee to ensure that the initial design for your facility is acoustically correct. This service will help your school prevent costly post-construction changes.

RDI utilizes computer-aided modeling techniques to examine various system components before actually installing them in a facility. This technology gives us the ability to determine such items as speech intelligibility, direct to reverberant ratios, sound pressure levels, coverage patterns, proper aiming, and much more.

Regardless of your project, all of our systems feature state-of-the-art control interfaces for system integration, ease-of-use, and system processing.

We Do It All

Whether your goals are to improve communication in your auditorium, gymnasium, classroom, or music room, we design and implement state-of-the-art systems that ensure the best experience. Backed with over 35 years experience, our professional specialties include:

- Gymnasium sound & video systems
- Football field & track sound systems
- Band & vocal room sound & video systems
- End-to-end project management
- Privacy & noise masking systems
- Support plans, post-sale service, & same-day remote support
- Architectural & facilities studies
- Acoustical treatments & system calibration
- Auditorium & performance hall sound & video systems

"RDI Installed new sound systems in our elementary gym and at our football field. These two facilities have different needs for sound. RDI designed and installed a system that fit each facility and did an excellent job. Both systems are easy-to-use and provide good quality sound."

— Kevin Richardson, Director of Technology
Estherville Lincoln Central School District

Projection & Display Systems

For Education, Auditoriums, Gymnasiums, & Sports Complexes

Better Visuals for Better Learning

An effortless visual experience is our number one goal. Enhancing classroom lessons, stage performances, and special events with a state-of-the-art projection and display system not only promotes pride but it keeps viewers engaged. Whether it is announcements, promotional materials, or displaying lyrics for the school fight song, our engineering team can help you do it all.

Our professional site designers' commitment to outstanding customer service maximizes your system's performance. Our team will be with you at every step of the process. From architects and construction, to the finished product, we have the experience to ensure your system exceeds your expectations.

"From the very beginning, I felt they had our school district's best interest in mind and we felt informed and supported in every decision we made throughout the planning and implementation phases of our project."

— Chris Koenck, Director of Technology
Okoboji Community School District

State-of-the-Art Display Systems

Our professional projection and display systems make involving people with visually engaging images easier than ever. By mapping out each location uniquely, our staff can determine the best visual system for your designated space. Top-of-the-line laser projectors and display screens provide a means of delivering the same great experience throughout your facility so that everyone feels included.

Cameras to Capture It All

Our video camera systems are also custom designed to provide a way to record, stream, and backup events that occur in your auditorium, gym, or stadium. Systems can also be preconfigured with presets, making it easy for users to transition cameras to the desired locations for occasions such as commencement speakers, plays, concerts, and more. With manual controls, our systems offer smooth panning, and zoom in/zoom out capabilities, all from the comfort of a simplified control panel.

Video Camera Systems

- Camera systems, controlled & remote pan/tilt controllable cameras
- Video mixers, video effects processors, & video editing systems
- Video recorders & video monitors
- Video streaming & archive storage

Presentation Systems

- Presentation PC, software & media players
- Presentation switchers, Matrix switcher & scalers
- Projectors & display monitors
- Recessed & surface mount electric motorized projection screens
- Front or rear projection screens

Security Cameras & Systems
Constant Physical Security & Surveillance

Stay Vigilant in a Digital Age

It's safe to say that security cameras are an important part of an effective security facility. Protecting your students, staff, teachers, and equipment are all important considerations in implementing a security camera system. Our systems are designed to do just that with clearer images, smoother movement, and less cabling than other options on the market today. With network IP cameras featuring direct notifications and remote monitoring, a security camera system acts as your eyes and ears when you're not around. Our design team is here to assist you in getting the best video coverage for your location.

A Variety of Selections for Peak Performance

Our camera systems use full resolution images of moving objects with minimal distortion, at up to 30 frames per second, delivering video from HDTV 720p-4k and beyond. By partnering with industry-leading vendors, we can offer countless camera variations to suit interior design and can match the decor with a range of colors. Our camera systems are innovatively designed for quick and easy installation in drop ceilings, on external walls, or anywhere you might need them. Power over Ethernet (IEEE 802.3af) can supply power to cameras via your network, eliminating extra installation costs and the need for power cables.

Additionally, we offer data backup services to allow security camera footage to be archived and stored for later use or viewing. Whatever you're looking for in a camera system, our team is prepared to help you design a package that suits your needs and your budget. From robust outdoor cameras to discreet products for sensitive environments, we offer it all.

Build a System That Protects & Lasts

Anything can happen at any time. By turning a security camera system into a tool, you can not only observe what's happening at your school, but you can also integrate your system with audio and access controlled doors. On-site analysis ensures thoughtful placement and when paired with enterprise-grade technology, it creates a system that is built to last.

Security Access Where You Need It Most

Our approach to integrated security is not only holistic but revolutionary for the industry. By integrating our video solutions with cloud-controlled door access systems, we offer a security approach that pleases even the most conscious users. In collaboration with industry-leading technologies, our staff offers proven door access control solutions that use network-based IP technology. Unlike traditional panel-based options, we eliminate the need for cumbersome panels at each entry point. No more complicated wiring and costly power supplies. Our access control systems are not only a simpler and smarter alternative to door entrance security, but they are aesthetically appealing.

Sleek Hardware to Leverage Full Benefits

Our innovative access control systems enable you to manage multiple locations in real-time through your existing network. By providing a single data cable for power and connectivity, each controlled point can be monitored remotely or even from the comfort of any mobile device.

With ISONAS access platform, we provide a complete control system, allowing for installation, administration, and management of the door access hardware. The modern user interface establishes a new standard for ease-of-use in managing an unlimited number of access points across locations through a mobile device, tablet, or modern browser.

Access Panels

Consulting, Design, Integration, & Management

Our Process — Your Vision

Moving Your Vision to Reality

You are paramount to our success. We believe in adding value and being a trusted partner in all aspects of your facility by providing services that assess, develop, and support your needs. The importance of a great design is vital and when done and implemented properly, is timeless. Conception to finish, it is our goal to ensure that you are involved every step of the way. Our team is excited to invite you into our process and strives to meet all your needs with open consultation, smart design, timely installation, and polished systems.

Our Process

1. Contact Us – no project is too big or too small; our team loves what they do.
2. Consultation – ideal for us to meet you one on one or with your team on site; our staff uses this opportunity to:
   a. Educate and discuss how the correct system enhances your space.
   b. Uncover and walk through all possibilities unique to your facility's architecture.
   c. Discuss and outline a realistic budget and project timeline.
3. Needs Assessment – our staff completes a needs analysis to address project goals, concerns, and possible challenges directly.
4. Design/Design Drawing – we transform your vision with computer-aided modeling and create an executive summary, custom project blueprints, and select best-in-class equipment.
5. Construction – our installation staff are prepared, trained, and arrive with the proper equipment; zero hassles. Our team is on site start to finish; no more working with contracted teams that change every day.
6. After Care – so you have the new system, now what? Our staff is committed to seeing your success through. We work with you to train you on how to get the most out of the new system. We also offer continued system maintenance at your request, and full data backup.
7. The relationship is ongoing; one of our main goals is to develop relationships with you and earn your trust for years to come.
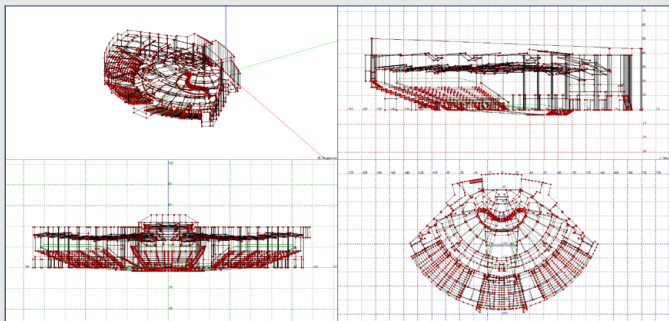
On-Site Analysis

A vital part of our process is on-site analysis. Both TEF 25 (Time Energy Frequency) and SMAART (System Measurement Acoustic Analysis Real-time Tool) are tools used in conjunction with other test instruments to assist in both sound reinforcement calibration and analyzing the acoustical properties of rooms.
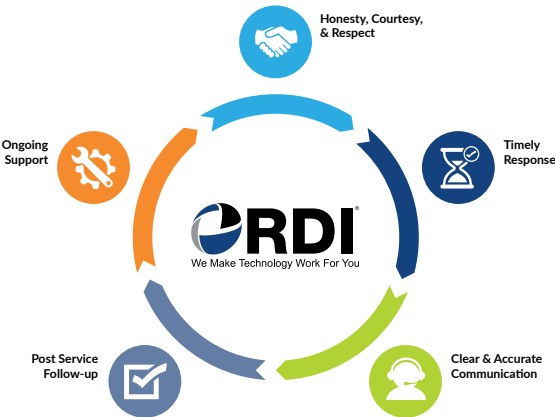
As designers, these tools help us identify tones or frequencies of interest as well as feedback suppression, channel equalization, and aligning the sound system speakers for peak performance. With the use of on-site analysis, our technical staff have the proper tools to ensure the success of your project.

Our Customers Can Expect Full-Circle Service

State-of-the-Art Acoustical Studies

Another vital component of our process is our acoustical studies. By utilizing state-of-the-art acoustical design software (EASE), our staff has the ability to evaluate different manufacturers and models of speakers systems in any room. With the ability to compare options and predict performance, our customers reap the benefits. This ensures the right type of speakers for the job, regardless of brand, and it allows our staff to verify the viability of different types of sound systems. Every project proceeds with the very best for your investment.

The benefits of utilizing EASE to assist our clients are many; the combined 100+ years of staff experience is the key to maximizing this and other tools for your project.

RDI – Built on a Foundation of Trust

"Trust is something you accumulate over a lifetime and can lose in an instant. At RDI we promise to work hard, to do the right thing, to provide exceptional service, and to always work to earn and maintain the trust of our customers."

– Don Van Oort, President
RDI

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