



The Right **Sound**.
The Right **Atmosphere**.
The Right **Solution**.

Our Mission

ArenaFX designs custom goal horn, lighting, and special effects systems for sports and event venues. We focus on creating the right sound, atmosphere, and presentation for each venue, and turning ideas into real engineered solutions.

Contact

Owen Resch

Owner - BS Mechanical Engineering

Email: arenafxllc@gmail.com

Phone: (248)-391-9946



Goal Horn Systems

- Custom Horn Finder tool helps identify a unique sound that fits your venue
- Complete air system design tailored to your selected horn
- Expert horn and air system installation
- System testing and performance verification
- Upgrades and repairs for existing horn systems



Unified Integration

- Universal control of horns, lights, and special effects
- Custom controllers and control layouts tailored to your venue
- Custom timing, mode selection, and synchronized effects
- Wired and wireless control options
- Single or multi-controller options

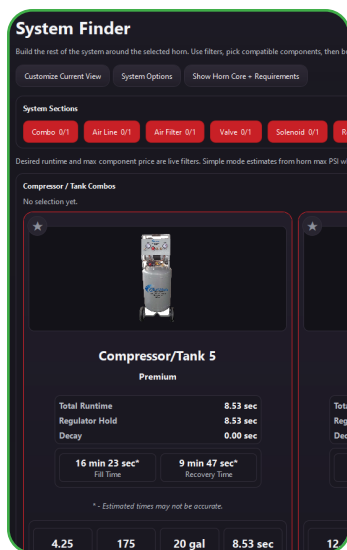
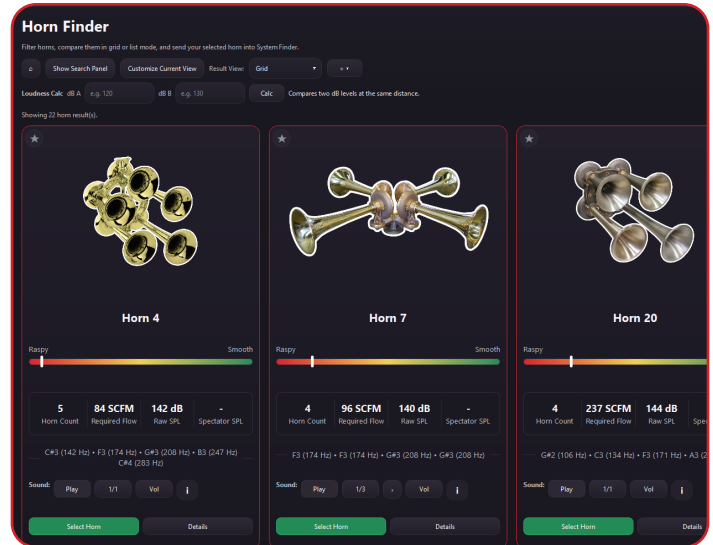


Special Effects and Lighting

- Siren lights, goal lights, LED lighting, projection, and other custom venue effects
- Custom-engineered effects tailored to your venue and atmosphere goals
- Standalone or fully integrated system options available
- Built to bring your ideas to life with clean, reliable operation

Custom Horn Finder

- 50+ horns organized in one custom built database
- Integrated sound clips for listening and comparing horns
- Search and filtering tools make it easy to narrow horn options
- Identify the right horn based on your venue and desired sound



Custom Systems

- Custom air systems engineered around your selected horn
- Designed to meet pressure, flow, runtime, mounting, and layout requirements
- Supports both complete new systems and upgrades to existing horn setups

Installation and Testing

- Installation and testing to ensure the system performs correctly and is ready for use
- Includes checks for sound, function, and overall system operation
- Repairs, upgrades, and reworked systems are also tested and verified



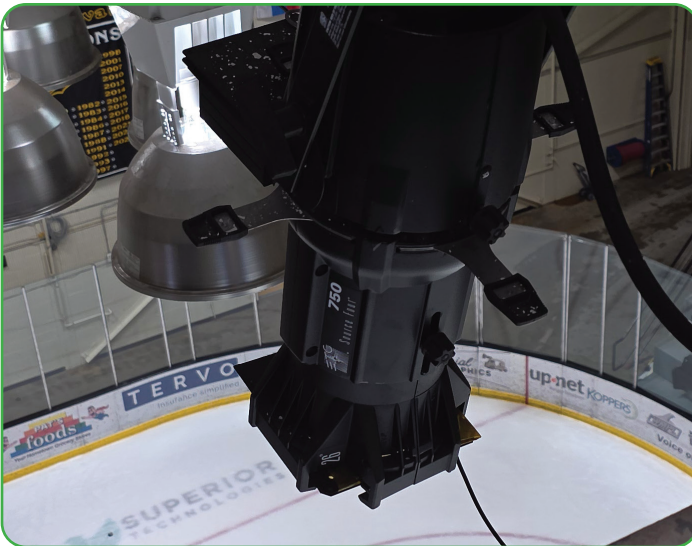
Integration and Control

- Goal horns, lights, and special effects integrated into one control system
- Controls are designed around the venues desired activation method
- Wired and wireless control options
- Custom timing, synchronization, and activation methods available



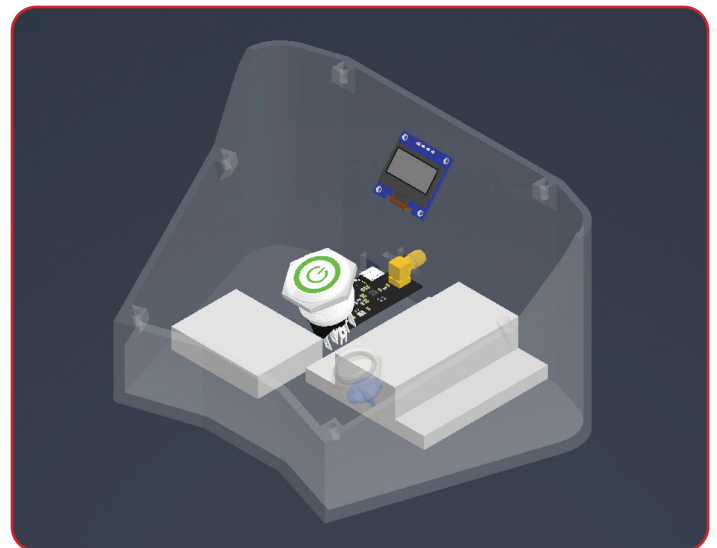
Lighting and Special Effects

- Siren lights, moving lights, fog, projection, and other venue effects
- Custom programmed introductions, effect cues, and timed sequences
- Goal lights and other visual elements designed around your venue
- Creates a more distinctive and energetic event presentation



Custom Engineered Solutions

- Venue specific builds, upgrades, troubleshooting, and one-off solutions
- Useful for unusual layouts, existing system issues, and custom requests that require additional problem solving/design
- Engineering-based design to turn custom ideas into workable venue installations



Experience and Systems in Action



For all videos, headphones are recommended to hear the details in the horns and sound levels. Middle click links to open in a new tab

Great Lakes Invitational and Portable Systems

- Two unique portable goal horn systems were designed and used for the 2024 and 2025 Great Lakes Invitational in an AHL-sized rink (Van Andel Arena)
- The same horn systems have also been used for the Copper Country Showcase for ACHA club hockey teams in Houghton, Michigan
- Demonstrates successful use in both high-profile and recurring event settings



Videos:

- [2024 Great Lakes Invitational](#)
- [2025 Great Lakes Invitational](#)
- [2025 Copper Country Showcase](#)



Video:

[Michigan Tech Horn Improvement 2025](#)

Michigan Tech Horn System Improvement

- The original horn setup sounded muffled, choked, and quiet
- A custom mount moved the horns to a better location
- Flow problems in the supporting air system were corrected so the horn sounds bold and clear again
- Demonstrates how targeted upgrades can restore performance without a full system replacement

Other Projects

- Touchdown/Goal horn install at the Michigan Tech football field
- Handheld horn for use at intramural hockey and broomball games
- Goal horn for the Michigan Tech Broomball All Star game
- Lighting for weddings and parties
- Music sync lighting programming
- Custom designed 3D printed horns



Videos:

[Music Sync Lighting Programming](#)

Interested in Working Together?



The next steps are intended to help define the project clearly and determine the best direction for your venue, goals, and system needs.

Initial Call and Project Details

The process begins with a free phone call to discuss your venue, goals, and the type of system or effects you are considering. There is also a short form to gather a few details on the venue and your interest.

Horn Finder Meeting

For goal horn projects, a free Horn Finder meeting is scheduled to explore sound options and find the horn that fits your rink, preferences, and atmosphere.

Review and Next Steps

Once the project details are gathered, the next step is to review the information, discuss possible options, and determine the path forward.

Contact

Email: arenafxllc@gmail.com

Phone: (248)-391-9946

Call or email anytime

Project Form

Fill out the form [HERE](#)

Or scan the QR code below

