ACADIA TECHNOLOGY GROUP

Stadium Security Checklist

As technology advances, many stadiums and arenas are migrating traditional industrial control (IC) systems like HVAC, lighting, and fire safety systems to those that utilize IP-based technology to create a more holistic way of managing the entire infrastructure. The adoption of IP-based solutions brings the need for enhanced security controls which should be taken from the best practices of IP based networking security.

We've put together a checklist outlining the top 10 steps to consider when assessing your stadium's security posture.

- [ ] **CURRENT INVENTORY OF ALL CRITICAL SYSTEMS**

  Take a complete inventory of all industrial control systems and critical IP-based solutions in use at the stadium. A clear understanding of every component in your organizational infrastructure will help ensure that each aspect is covered in your cybersecurity solution.

- [ ] **DEFINE YOUR RISK MANAGEMENT STRATEGY**

  Outline how you will manage IP-based risks throughout your network. Categorize and regularly report on risks by technology, risk priority, and impact to stakeholders.

- [ ] **DEFINE YOUR PROTOCOLS**

  Industrial Control systems that transport on IP-based technology will help to establish baselines for managing your entire infrastructure. Know what IP protocols are allowed in the environment and restrict forwarding of protocols not permitted.

- [ ] **IDENTIFY NETWORK VULNERABILITIES**

  Periodically conduct a vulnerability scan on your network and report the risks along with a remediation plan. Regularly train and re-test your incident response plan during vulnerability testing.

☐ DEFINE NETWORK SEGREGATION PROTOCOLS

Keep corporate data and IP-based IC systems separate from corporate or guest traffic by implementing network segregation principles. Utilizing VLANs, access control lists and firewall rules to separate zones of control can significantly minimize the chance that a rogue cyberthreat can access your most crucial IP-based infrastructure.

☐ DEFINE SECURITY CONTROLS & BEST PRACTICES

Create a baseline of traffic and security behaviors within each IC system. These patterns are control measures to help detect anomalies within the network. Use these controls in conjunction with industry standards to create a knowledge base of best practices for each IP-based IC system within the organization.

☐ DEVELOP STANDARD OPERATING PROCEDURES

Create a baseline of how each IC system will be managed and what actions will be taken in the event of an emergency. Doing so will allow all cross-functional teams to manage each solution cohesively, allowing tighter control of all systems. These standard operating procedures should be tested periodically and updated as organizational needs change.

☐ IMPLEMENT A NETWORK MONITORING PLATFORM

A monitoring solution that can monitor all IP-based traffic throughout the stadium's infrastructure is paramount to the success of managing cybersecurity risk. A holistic, single platform approach is best; however, if that is not possible, each IC system's monitoring system should coexist with your IP security monitoring operations.

☐ KEEP SECURITY SOLUTIONS UP TO DATE

Keeping all IC and network solutions equipped with the most recent software patches helps maintain their security integrity. Regular releases of software patches are developed in response to new security threats. Patch management of production systems to mitigate ongoing risk model changes should be a timely process.

☐ USE REPORTING TO TRACK PROGRESS

Utilizing reports to define and analyze metrics and key performance indicators (KPIs) is a great way to gauge how well your IC security management solution is performing. These reports can help paint a clearer picture of what is working well and what portions of the solution should be revisited.

CONCLUSION

Acadia Technology Group is a managed service provider with extensive experience working with security, especially in stadiums and arenas. We can help you define a security solution that covers your network, industrial control systems and more.

Visit our stadium security service overview to learn more about our practice.

STADIUM SECURITY