

Cybertech Automation helps industry build, configure, and commission instrumentation, electrical, and control system equipment.

MIGRATING AND OPTIMIZING THIRD-PARTY SCADA SYSTEMS

MOVING TO AN INTERNAL SCADA SOLUTION CAN REDUCE LICENSING COSTS AND CYBERSECURITY RISKS

Third-party SCADA software systems can initially be an excellent solution for organizations rolling out new SCADA infrastructure. Upfront costs are reduced, and RTU/PLC communications can be quickly connected to pre-built web polling services and displays.

As your systems increase in size and complexity, these early advantages can be overshadowed by the following challenges/questions:



LICENSING COSTS

If your third-party solution costs don't scale with your point or device count, your ongoing software licensing costs can be substantial.



THE QUESTION OF CONTROL

It's your system, but it's not your software. Third-party SCADA systems aren't an investment – they're on an ongoing cost that your organization doesn't control. Everything from yearly fees to functionality is subject to change.



CYBERSECURITY CONSIDERATIONS

Third-party SCADA solutions pull data from your field devices and process it outside your corporate networks. Even with encrypted connections and the best precautions, your mission-critical hardware is still connected to the Internet – exposing a much larger attack surface than having your data firewalled inside your organization's network.



SYSTEM SPEED

Fast polling times for third-party SCADA systems can mean higher costs. An internal SCADA system's speed is only restricted by the speed of your network – making overall polling times (and system performance) much faster.



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HOW CAN WE HELP?

Bringing your SCADA system back in-house means better long-term cost control and functionality.
For example:

- Cybertech can potentially reduce your SCADA licensing costs by millions of dollars over a multi-year period
- We can implement trusted SCADA products with more open-ended functionality than generic third-party systems (which are typically designed for universal implementations)
- We can reduce system polling times (often by half) and improve the timeliness of data available to your SCADA system
- Our cybersecurity experts can ensure that your new control system communications are safely isolated from the rest of the world (using best practices for WAN, VPN, APN and CUG configurations)



WHY CYBERTECH?

We're an automation and control systems company with 25 years of experience with all major platforms. We can recommend and support the internal SCADA solution that works for you.

Cybertech knows how to safely migrate enterprise-level SCADA systems from third-party to internal solutions. We've supported clients on migration projects that required massive data conversion – over a billion historian records for a recent project. We've moved tens of thousands of points across hundreds of devices, which includes consolidating and preparing legacy historian data for import into new systems. This results in seamless system cutovers and data continuity.

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