

Aspen APC Remote Monitoring Relay™

Secure, Web-Based Visibility for APC Applications Across the Enterprise

Aspen APC Remote Monitoring Relay extends the power of AspenTech's industry-leading Advanced Process Control (APC) technology beyond the plant network. Delivered through a secure, intuitive web interface, Aspen APC Remote Monitoring Relay provides real-time, read-only access to Aspen DMC3™ and Aspen Inferential Qualities™ (IQ) applications from business networks (Level 4) and approved cloud environments.

With the introduction of Aspen APC Remote Monitoring Relay, organizations can now securely move APC application data at scale across non-adjacent network layers. The solution delivers the **full-native APC user interface** remotely, preserving user familiarity and workflows while enforcing strict IT/OT cybersecurity requirements through unidirectional data transfer. No retraining, inbound connections or custom integration is required.

Key Benefits

Secure, Streamlined Access to APC Data

Provides real time, read only visibility of APC applications from business networks and approved cloud layers. Mandatory TLS encryption, strict acknowledgement protocols and L3-initiated data push eliminate backflow risk and maintain OT perimeter integrity.

Scalable Access Across Multi-Layer Architectures

Enables reliable APC data flow across modern multi-layer enterprise architectures, including environments with Level 3.5/DMZ separation. Supports large, distributed organizations by making APC performance data easier and more secure to access—whether on-site, remote or lightly staffed—while enabling earlier issue detection and higher long-term APC utilization.

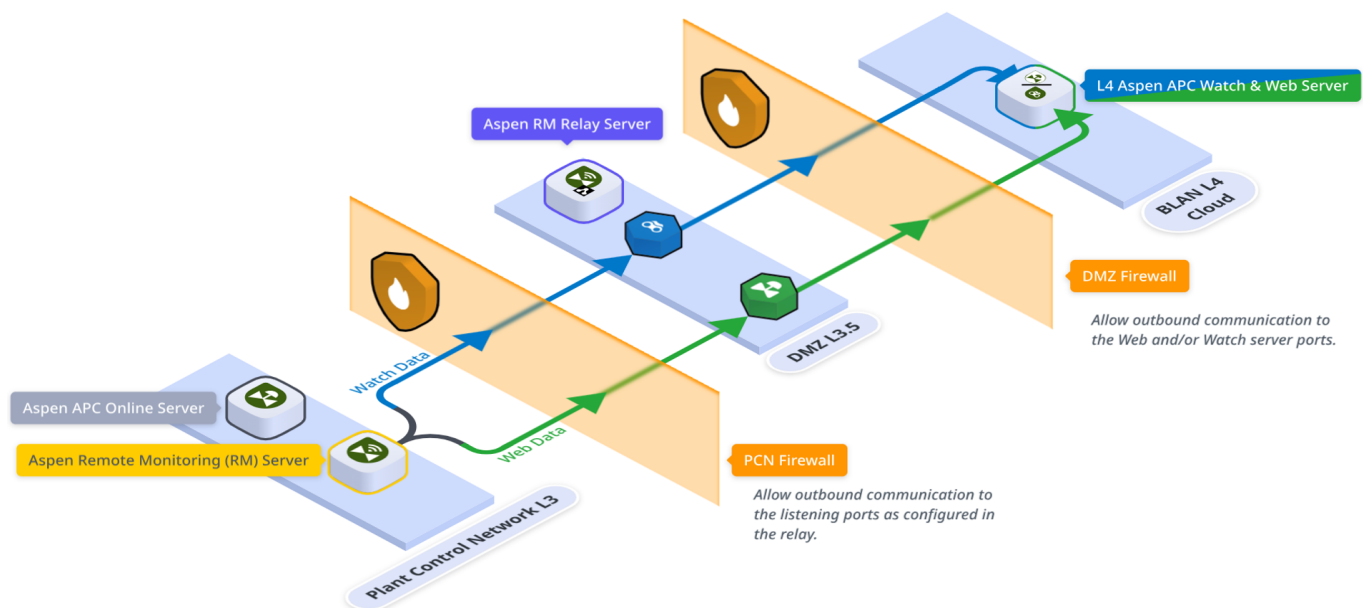
Enterprise-Wide Visibility & Sustained APC Performance

Provides easy centralized, enterprise-level monitoring of APC performance across multiple sites and regions. Improves controller uptime, supports benchmarking and helps sustain operational and financial benefits. Centers of Excellence can oversee global deployments consistently without compromising cybersecurity policies.

Consistent User Experience

Delivers a read-only version of the same interactive APC experience used onsite, including dashboards, trends and controller diagnostics. Preserving the native DMC3 UI reduces training needs and accelerates user adoption across operations, engineering and automation teams.

Access to APC Applications Across Multi-Layered Control Architectures



Key Capabilities

Real-Time APC Monitoring

- View Aspen DMC3 and Aspen IQ application status, optimization behavior and key variables in real time
- Visualize controller KPIs and history from Level 4 in Aspen Watch Performance Monitor™
- Access controller dashboards through the familiar native Aspen DMC3 user interface

Secure, Cybersecurity-Aligned Architecture

- Unidirectional L3-to-L4 data flow with mandatory TLS encryption
- No inbound connections to the process control network
- Strict acknowledgement protocols prevent data backflow
- Read-only design ensures zero impact on running controllers
- Aligned with modern IT/OT segmentation and cybersecurity policies

Flexible Deployment & Version Compatibility

- Works with Aspen DMC3 servers V14 or newer
- Remote monitoring server available starting in V15
- Supports hybrid environments with mixed APC versions

Use Case

Challenge

APC monitoring practices vary widely across organizations, particularly in large enterprises with multi-layered IT/OT architectures. Many teams struggle to securely access APC data across non-adjacent network layers or DMZs, often relying on manual data replication or remote access approaches that challenge cybersecurity policies. Limited visibility into controller performance reduces APC uptime and erodes long term value—especially for distributed or remotely operated assets.

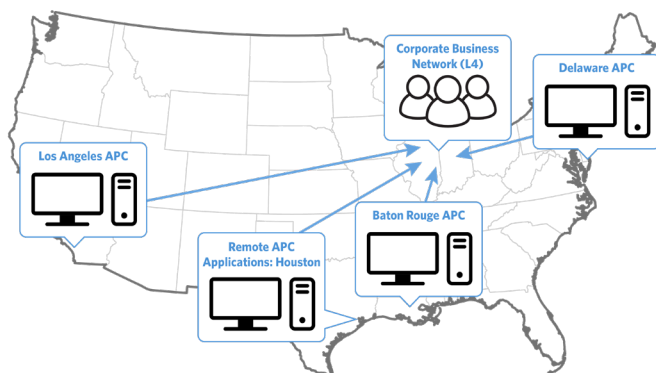
Solution

Aspen APC Remote Monitoring Relay provides a scalable and secure way to access APC applications across complex, multi-layer network architectures. Stakeholders gain real-time, read-only visibility into controller health, optimization behavior and inferential performance from business networks or approved cloud environments—without breaching IT/OT boundaries. The native Aspen DMC3 interface ensures immediate user familiarity and consistent monitoring practices across the enterprise.

Result

Organizations achieve higher APC uptime, faster issue detection, improved sustainment of APC benefits and enterprise-wide visibility into controller performance. Automation Centers of Excellence can securely support remote sites, benchmark APC deployments and drive continuous improvement across the global APC portfolio—while maintaining strict cybersecurity compliance.

Secure & Streamlined Remote APC Access



Customer Testimonial

“This capability is very important for our team to support site applications under our strict IT/OT policy. We plan to roll it out to other sites with AspenTech APC applications.”

— Jundong Zhang, Engineer Principal,
Advanced Process Control,
Westlake Corporation

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