



PI System Governance and Standardization for a Large State Power Authority

OVERVIEW

From Organizational Deadlock to Enterprise Alignment

Large organizations running complex PI System deployments across multiple sites can find themselves stuck, not because the technology isn't capable, but because the organizational structure around it isn't. Inconsistent implementations, unclear ownership, and competing departmental priorities can bring even well-resourced and scoped PI programs to a standstill. That was the situation facing the a state-run Power Authority when they engaged EXELE.

EXELE conducted a comprehensive evaluation of a large state-run Power Authority's PI environment, **auditing system configurations**, interviewing subject matter experts, and reviewing existing documentation. The findings pointed to insufficient standardization, diffused ownership, and gaps in training and tooling. EXELE then developed and helped execute a multi-step governance strategy to address each issue, giving the Power Authority the foundation needed to **move their PI program forward with confidence**.

THE CHALLENGE

Organizational Deadlock across the Enterprise

Our customer had ambitious goals for their PI System, with several large projects spanning multiple sites and operational domains. The technology was in place, but the organizational conditions needed to execute were not. Coordinating changes across groups with competing priorities, inconsistent configurations, and no shared standards had brought progress to a halt.

01

Non-standard Implementations

PI Security, tag configurations, interface settings, and tuning parameters varied significantly from site to site. This inconsistency increased the administrative burden and made it difficult to confidently manage or troubleshoot the system across the enterprise.

02

Untrusted Data

Without a clear, agreed-upon role for the corporate PI server, **users had little confidence in the data** available in PI Vision and PI AF at the corporate level.

03

Diffusion of Ownership

04

Underutilized PI Tools

With no defined governance structure for the PI System, there was no clear chain of command for approvals, changes, or issue resolutions. This resulted in paralyzed users, stalled projects, and an unclear path for moving implementations forward.

Without training on PI Vision and PI AF, many of the platform's most valuable capabilities went unused. Teams **were missing opportunities** for the kind of analysis and monitoring the PI System was designed to support.

THE SOLUTION

A governance Strategy Built on Assessment and Alignment

EXELE's engagement began with a comprehensive assessment of the Power Authority's PI environment across sites, interviewing key stakeholders, auditing system configurations, and reviewing existing documentation. Rather than delivering recommendations and stepping away, EXELE worked alongside the customer to develop and implement the governance framework needed to break the organizational deadlock and get PI projects moving again.



Cross-department Stakeholder Alignment

EXELE identified and engaged key PI stakeholders across the customer's sites and operational domains, uncovering the competing priorities and unmet needs that had contributed to project stagnation. Documenting these requirements created a shared foundation for decision-making that all groups could work from.



Enterprise PI System Governance Documentation

EXELE developed an enterprise-wide **governance document** establishing clear goals, ownership responsibilities, and decision-making standards for the PI System. This gave the Power Authority a single authoritative reference for how the system should be managed and evolved going forward.



PI Vision and AF Accessibility

EXELE created policies and procedures for migrating and maintaining AF structures consistently across all sites, ensuring that the data models underpinning PI Vision dashboards and analytics were accurate, current, and trusted at the corporate level.



Procedures and Best Practices

EXELE documented standardized approaches for common PI tasks, standard interface settings and system administration, giving administrators across all sites a consistent playbook to work from and **reducing the variability** that had complicated cross-site management.

From Stagnation to a Functional Enterprise-Wide Program

- ✓ **Clearly Defined Ownership and Accountability**
With governance structures and defined roles in place, the Power Authority's teams now have a clear chain of command for approvals, changes, and issue resolution. Projects that had stalled for lack of direction now have a reliable path forward.
- ✓ **Consistent, Trustworthy Data Across Enterprise**
Standardized configurations, updates to interface and PI tag configurations, and a clearly defined role for the corporate PI system restored confidence in the data available at the corporate level, enabling the cross-site analysis that had previously been out of reach.
- ✓ **Streamlined Administration Across Sites**
With standardized tag naming, interface configurations, and tuning parameters in place, administrators can deploy and manage PI components consistently across all sites, reducing the burden that came with maintaining incompatible site-level implementations.
- ✓ **Increased Quality of Analysis**
Improvements to PI tag and interface configurations combined with a clearly defined corporate server role enhanced the accuracy of data across the enterprise. With higher quality inputs and renewed confidence in corporate-level data, teams were able to leverage PI Vision and PI AF analytics in ways that had not been possible before.
- ✓ **Hardened Security**
A standardized approach to PI security reduced implementation variability, and increased adoption of security best practices across the enterprise, resulting in a system less vulnerable to misconfiguration and user error.

BUSINESS IMPACT

A Power Authority engaged EXELE because their PI program had stalled and they needed an outside perspective to understand why. By conducting a thorough assessment and working alongside the Power Authority to implement a comprehensive governance strategy, EXELE helped transform an environment of competing priorities and ad-hoc decision-making into one with clear standards, defined ownership, and the organizational alignment needed to execute.

The result is an organization that can now execute on its PI ambitions with the clarity, consistency, and confidence that was not possible before