AVEVA PI Historian

Trinity Consultants' Aztec Technologies (Aztec) is a Certified AVEVA™ PI System Integrator. Our PI experts deliver projects involving end to end implementation and integration of the AVEVA™ PI System. Whether a client is an existing user or considering a new implementation, we provide solutions that aggregate and manage data for visualization, analysis, and reporting. We combine data, alarms and events to provide our customers with a complete visualization package to troubleshoot their process.

AVEVA™ PI Services

- ▶ End-to-End design and implementation
- ▶ Full system upgrade and migration
- ▶ Equipment and third-party database integration
- ▶ 24/7 operations support
- ▶ Custom monitoring, reporting and analytics tools
- ▶ Integration to 3rd party analytic tools and AI/ML platforms
- ▶ 21 CFR Part 11 and Data Integrity gap assessment and closure
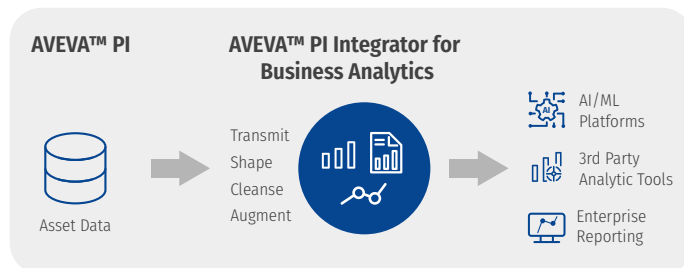- ▶ Qualification and validation services

Are you ready to derive more value from your existing PI system?

Trinity's uniquely positioned domain, automation, and analytical experience in the Life Science sector offers our clients an ability to leverage their PI data to drive performance and insight. Utilizing AVEVA™ PI Integrator for Business Analytics, Trinity's experts can prepare your existing PI data for 3rd party advanced analytic and AI/ML platforms.

Remote PI Admin Support

Aztec's Remote PI Admin Support fills the role of a full-time PI administrator. Our experienced Remote PI Administrators take care of all the day-to-day maintenance and operation of our clients' PI Systems. Our Basic Remote PI Admin Support includes:

- ▶ Reliability health checks: archive status, backups, security checks, and message log reviews
- ▶ PI System maintenance (establish core operation baselines and tag compression review, interface optimization, and roll out of any software updates)
- ▶ Management of PI System user accounts
- ▶ PI Interface and Tag maintenance (including PI Tag creation and PI Tag attribute editing)
- ▶ Updating PI System Validation and Configuration documentation
- ▶ Monitor CPU and RAM memory usage of the PI Data Archive Server

- ▶ PI Interface monitoring by trend
- ▶ Disk space checks to ensure continuous archiving of data
- ▶ PI Licensing checks on tag limits and expirations
- ▶ Monitor buffer sources tfor queue build-up
- ▶ Routine backups of PI Server configuration and data
- ▶ Weekly backup of Security settings including PI Users, PI Identities, PI Mappings, and PI Trusts

If you are new to remote monitoring, we can work with you to implement proven secure VPN access to your PI System. Annual or 6 month renewable Basic Remote PI Admin Support contracts are available.

Additional Services

For established PI Systems, additional value can be gained by upgrading to our Advanced Remote PI Admin Support, which includes all the basics plus:

- ▶ Develop and test PI DataLink® reports
- ▶ Develop PI Process Book® screens
- ▶ Provide Webinar-based user training for end-users of the developed screens and reports

Trinity Consultants' Life Sciences team includes industry veterans from Advent Engineering and Aztec Technologies, which were acquired by Trinity Consultants in 2018 and 2022, respectively. At the heart of Aztec is a passion for solving complex challenges through tailored automation solutions The team includes highly qualified engineers and other technical specialists who work onsite at client facilities, performing engineering and design work to meet clients' development and manufacturing goals.

For more information, please contact us at *sales@aztec-consult.com* or call 508.203.4220.