

X0 Health Monitoring

X0 Health is a software solution used to monitor your AVEVA applications and system hardware. Using the X0 Health solution, InSource personnel, who monitor your system daily, can identify upset conditions and alert end users to potential issues before they manifest into real problems like software application errors or machine downtime events.



WHAT YOU NEED TO KNOW ABOUT OUR X0 HEALTH SOLUTION

What does this Solution do?

InSource X0 Solutions™ subscriptions include a health and wellness program. Health checks are done online daily, which enables us to take the pulse of your entire system.

Notifications are configured based on your desired support level. We take care of your AVEVA applications so that you can take care of business. System Health Checks & Mitigation Coaching.

What Makes this Solution Unique?

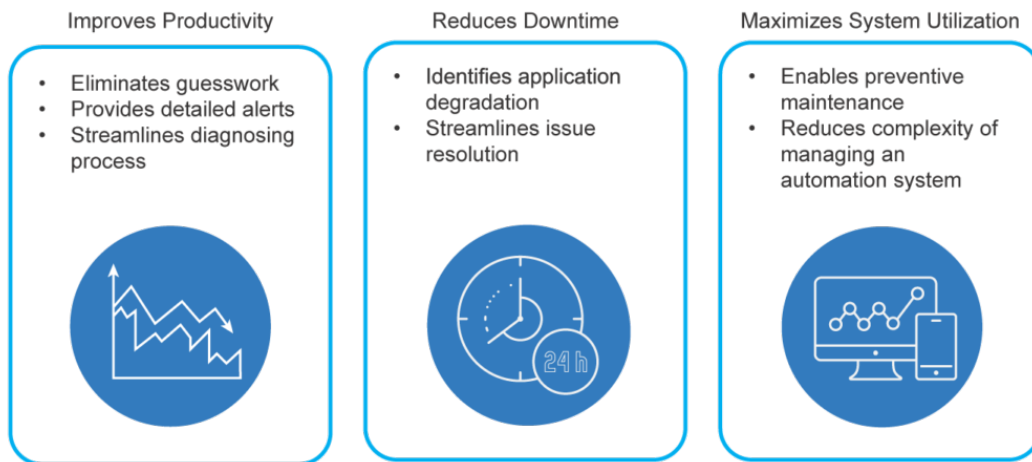
Are you looking for a weekend Project? Yes, we can literally stand up an X0 Health instance in 48 hours, and we have. What normally would take 3 months to deploy has been done in 2 days.

How much does it cost? What type of ROI should I expect?

InSource X0 Solutions™ save annual IT labor costs, troubleshooting and maintenance time, and unplanned downtime. All InSource X0 Solutions are subscription based, making it easier to get started and easier to budget. The bottom line, InSource X0 Solutions™ projects are lower cost and quicker to deploy.

Where is it typically used?

Because InSource X0 Solutions™ are incredibly scalable, you can place our solutions in one facility or spread across your entire enterprise and still have one portal. It is a one-stop shop for all your data. Start small and grow.

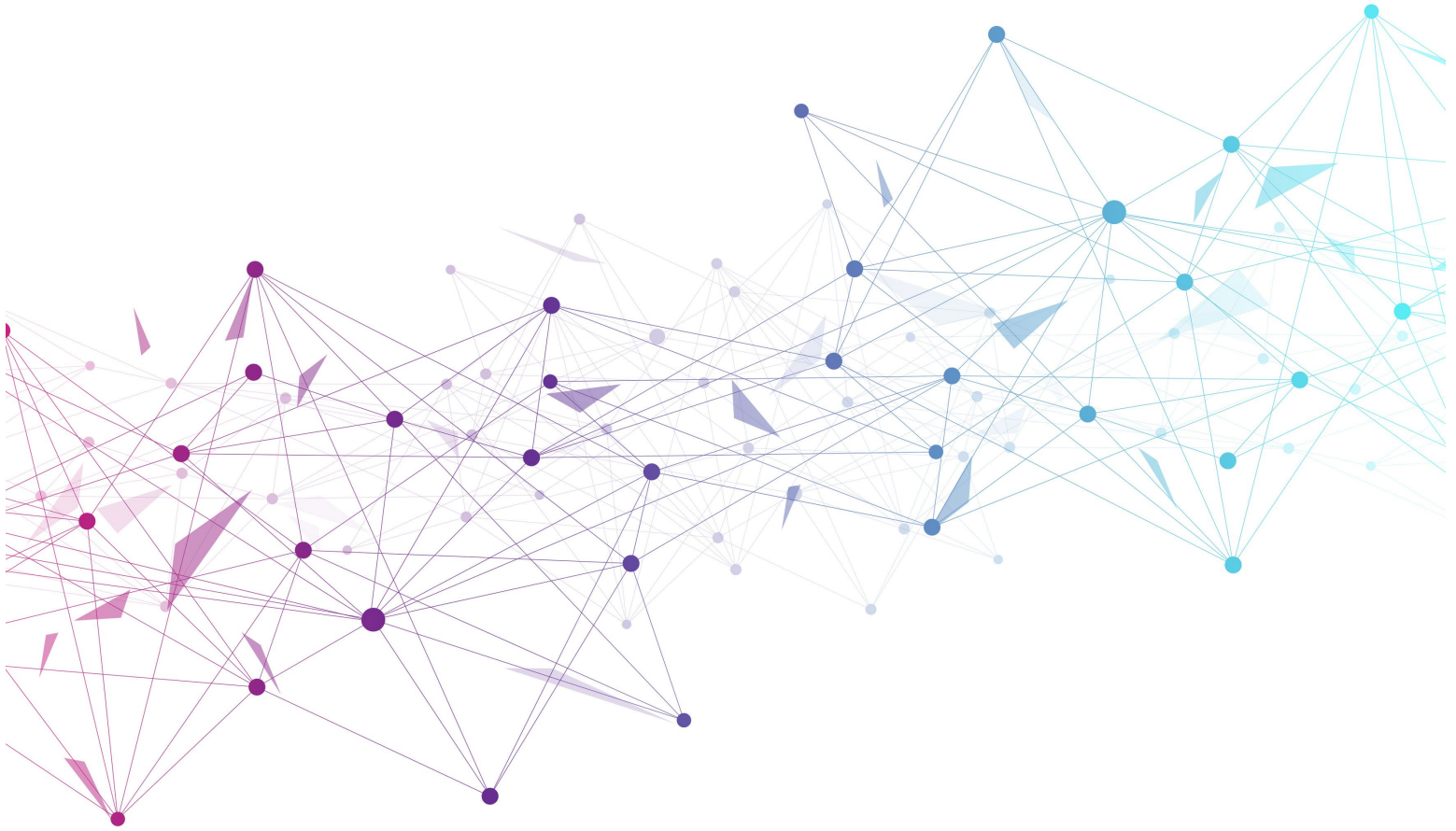


ACTIVE DAILY SYSTEM ENGAGEMENT (CONTINUOUS HEALTH MONITORING)

- Install Log Collection Server and deploy agents to remote PC's for Data Collection
- Daily review of AVEVA System Monitor logs Monday to Friday 8 AM to 5 PM
 - *** Requires remote access
- Asses reviewed alert severity and respond accordingly
- Assisted issue resolution
- Monitor health of hardware/operating systems: CPU, Memory, Event Logs, Performance Counters, and HD Space available
- Monitor health of Terminal Services, 3-rd Party IO services
- In-depth monitoring of SQL Server health
 - Database IO
 - Memory Clerk
 - Performance Counters
 - Memory Reads and Writes Monitoring
 - Temp DB Monitoring
 - Resource Governor
 - Server properties
 - Wait stats
 - Schedulers
 - SQL Requests
- Monitor MES services status
- Monitor ArchestrA services status
- Monitor System Platform redundant DI and AOS status
- Monitor System Platform – Platform and engine status attributes
- Monthly SQL DB backups and off-site secure storage
- Monthly Galaxy backup and off-site secure storage
- Monthly Historian data block backup (differential) and offsite secure storage
- Assisted system restoration

ANNUAL ASSET MANAGEMENT REVIEW

- Expert install and configure Software Asset Manager
- *** One-time event performed during initial system installation and configuration
- Detailed information of currently supported versions and associated compatible operating systems & SQL versions
- Highlighted risks associated with your system in relation to the latest available software versions
- Steps required to migrate currently deployed applications to the latest versions
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- Information on the latest features and functionality available



Why InSource Solutions?

InSource Solutions is your adept partner, providing the insight, experience and expertise to help businesses like yours drive continuous improvement initiatives — with proven world-class solutions. Today, those solutions are at work within some of the world's largest and most complex manufacturing environments.