

ECHO Embedded Data Historian v2.6 Released

November 10, 2008—OSIsoft, Inc. has released version 2.6 of its ECHO™ embedded historian software. The latest release supports a wide range of innovative features that improve application development, robustness and storage efficiency:

- **Exception Reporting** - Exception reporting is the process of sending events to the archive engine only when there has been a significant change in the monitored value. The purpose of exception reporting is to reduce the number of events stored in the archive without compromising the information. Because it is implemented in the SDK, traffic between the ECHO clients and the archive engine is reduced.
- **Reading and Writing via Data Sets** - New methods have been added for reading and writing a collection of data values in a single call. Each read method accepts a time range and returns the results of the call in a collection, either as a single value or as an array. Each write method returns results regarding the write of each individual element. Additional methods allow clients to read interpolated values between raw values and to retrieve data to render plot displays in a single call.
- **Higher Level Statistics** - method has been added to provide statistical information regarding data stream values within a time range. The available list of information include interpolated data, minimum value, maximum value, count, time average, entry value, and exit value.
- **Reclamation** - Additional historian reclamation options have been added to provide the means of managing larger historians. Data files in these historians hold a specified time range of data, which gives you more control of the management, reclamation and long term storage of the data.
- **Self Healing Historians** – Designed to provide maximum robustness for ECHO applications with abnormal shutdown scenarios. After an abnormal shut-down \ power fail, the ECHO Archive Engine will automatically check and repair historians to ensure data integrity.
- **Data Protection** - Power management provides maximum robustness for mobile ECHO applications. The archive engine monitors the system power and enters a safe state when data integrity can be compromised and resumes once safe conditions return.
- **General Reclamation Enhancements** – Several internal enhancements have been made to reclamation to make it more efficient and fair with respect to how time-series data is reclaimed from data streams within a historian.
- **Broader OS Support** - ECHO now fully supports Microsoft Windows Server 2008® operating system and offers improved support for Microsoft Windows Vista®.

About OSIsoft, Inc.

OSIsoft (www.osisoft.com) delivers the PI System, the industry standard in enterprise infrastructure for management of time series data and events. A global base of more than 14,000 installations across manufacturing, energy, utilities, life sciences, data centers, and process industries relies upon the OSIsoft PI System to safeguard data and deliver enterprise-wide visibility into operational and business data in order to manage assets, mitigate risks, improve processes, drive innovation, make business decisions in real time, as well as identify competitive business and market opportunities.

Founded in 1980, OSIsoft, Inc. is headquartered in San Leandro, Calif., with operations worldwide, and is privately held.