

Atmos Data Manager

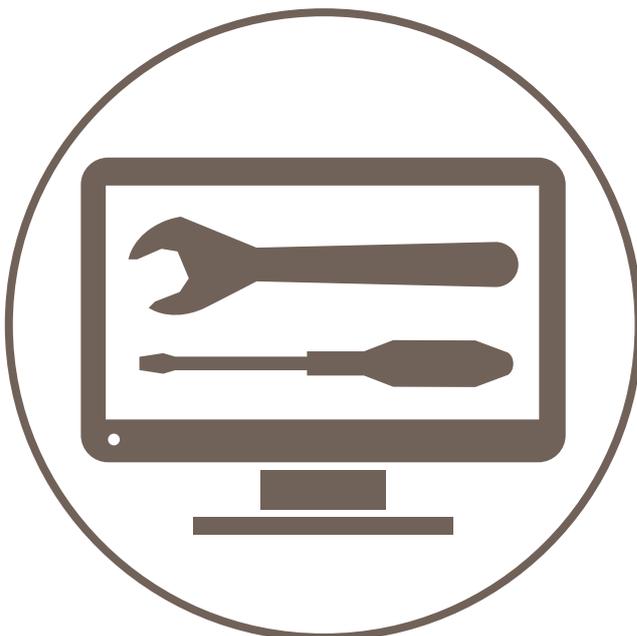
The interface of online applications with DCS, SCADA and other third party systems

The challenge

In an operational environment, data may originate from a wide range of systems. It is important to ensure that the data is validated and securely backed up. A robust interface between an online application and field data is essential to the everyday running of the application.

To provide a stable interface between different applications, Atmos Data Manager should:

- Manage data between two or more applications
- Pre-process field data before sending it to other applications
- Ensure all the data is saved securely
- Display trends of historical data using a trending tool such as Atmos Trend



Main features

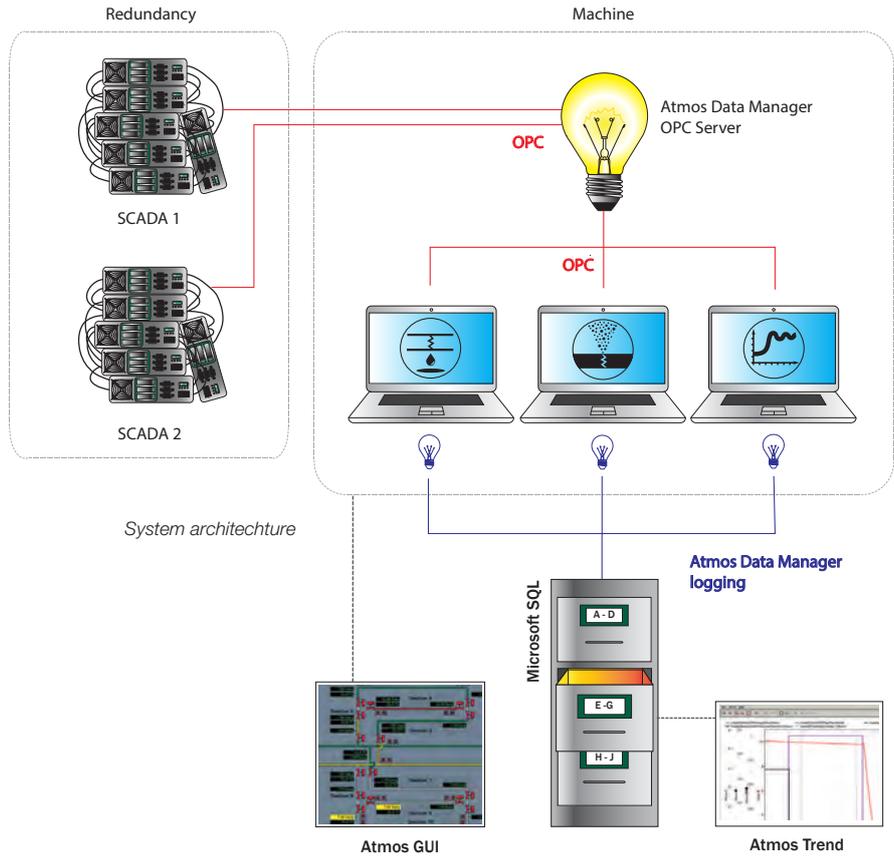
- Logs field data and information from any OPC applications
- Uses SQL database, making it transparent for the user
- Validates real-time field data
- Provides data to any offline test systems
- Acts as an OPC Server or Client for flexible system architecture
- Allows robust connections with third party applications
- Allows comprehensive data manipulation
- Can work alone or in a redundant environment

What is Atmos Data Manager?

Atmos Data Manager connects to all pipeline and process control systems to ensure the smooth running of any online or offline applications.

It is a durable OPC interface among online, offline, SCADA, DCS field data and third party applications.

It gathers real-time and simulated data. The data is collected at intervals set by the user. It validates real-time field data and provides comprehensive data manipulations using a powerful script editor. The script editor increases the system robustness with reference to specific data faults and helps in the construction of special applications, such as simulation or training software.



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Atmos Data Manager provides the pipeline and process industry with a hassle free interface to existing and new SCADA and DCS systems. It is a flexible tool for integrating the process and management information across the whole enterprise.

The configuration tool allows users to create configuration files as loaded by the Atmos Data Manager's OPC Server. Hence, OPC Tags can be configured where their values can also be logged to an MS SQL Server database.

Atmos Data Manager configuration tool can:

- Create OPC tags to read and write to other OPC servers
- Determine the logging rate and destination database of OPC tag values
- Provide data validation of OPC tag values
- Apply engineering units and conversion to OPC tag values
- Write scripts (in VB.NET) from which further OPC values can be generated
- Set up redundancy between the reading of other OPC Servers
- Set up 'events' and their logging
- Manage OPC quality

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About Atmos International

Atmos International (Atmos) provides pipeline leak detection and simulation technology to the oil, gas, water and associated industries. The company was founded in 1995 in the UK by the inventor of the statistical pipeline leak detection system – Atmos Pipe, now one of a suite of leak and theft detection solutions from Atmos. These technologies are implemented on hundreds of pipelines in over 50 countries, including major oil and gas companies such as Shell, BP, ExxonMobil, and Total. With associated offices in the USA, China, Russia, Singapore and Costa Rica, and local agents in 28 countries, the multi-cultural and multilingual team can provide effective support all over the world.

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