

# Seeq

Accelerate industrial process analytics

Seeq® enables users to get even more value out of the OSIsoft PI System, Emerson's Advanced Continuous Historian, and other process historians. It provides interactive, visual tools to accelerate discovery and investigation within industrial process data. Experience faster time to insight and achieve results in minutes that replace days of manual work copying, cleansing, and manipulating industrial process data sets.

Seeq also enables the "contextualization" of time series data by integrating and relating data from manufacturing, asset management, transactional, and other systems. This enables easier and faster discovery of insights in key scenarios such as asset optimization, operations excellence, situation awareness, and troubleshooting to improve bottom line results.

Seeq is available today for trial and commercial use. It can be deployed on premise, in the cloud, on a single PC, or on a server to facilitate collaboration among colleagues and teams.

## Seeq is a productive application for engineers and other users.

Seeq dramatically increases the productivity of all employees who have expertise in manufacturing operations and processes and are involved in diagnostics, investigation, and discovery efforts relating to industrial process data.

## Seeq features are designed around time series data.

Seeq leverages recent data management innovations to simplify and accelerate working with time series data. Visual Search, Annotations, Capsules and Worksheets are just some of the features specifically designed for time series data investigation.

## Seeq enables knowledge capture and collaboration.

No more starting from scratch on a project or working in silos. Engineers, operations staff, and analysts can create, retain, and collaborate on insights through an HTML interface that provides access from browsers on any hardware device.

## Seeq embraces data diversity.

Seeq works with all of your industrial process data: just connect and start working. No ETL, no data duplication, no overhead. And Seeq supports context, the data about the data, so you can see your data in the context of product, batch, or operation mode.

## Learn what Seeq can do for you.

Visit [www.seeq.com](http://www.seeq.com) for more information and to download a trial copy. Or contact us at [info@seeq.com](mailto:info@seeq.com) for more information.



## Access to Seeq and Case Studies

Seeq is more than innovative software for faster insights to industrial process data; it is an innovative approach to manufacturing software. Seeq can be downloaded, as a free trial, from the Seeq web site, activated, connected to data, and up and running in a matter of minutes.

In addition, Seeq's team of software and process engineering experts is available to assist you through your Seeq trial and deployment on request. Seeq's executive team has over 100 years of experience in industrial process systems which — combined with your knowledge and data — can help drive improvements in manufacturing results.

Some industries currently using Seeq include oil & gas, specialty chemicals, pharmaceutical, and others. Below are a few of the examples of how Seeq is improving bottom line results.

### Scenario: Fast identification of critical phases in pharmaceutical company

**Solution:** Customer is using Seeq to quickly and reliably identify the crystallization phase within production batches, which is more accurate than manual processes, and enables quicker time to insight via Seeq's Visual Search and capsule generation capabilities.

### Scenario: Equipment reliability in natural gas pipeline company

**Solution:** Customer needs to investigate reliability of compressors when in specific operational states. With Seeq's Capsule Generator the customer can apply limits when investigating operational states to quickly determine compressor status for troubleshooting and investigation.

## Seeq Architecture

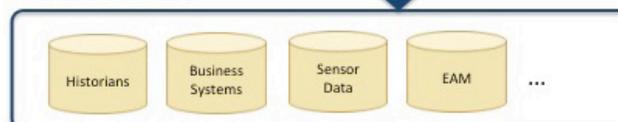
### Seeq Workbench™



### Seeq Server



### Data Sources



Seeq Optional Components (light blue box) Seeq Core Components (dark blue box)

### Scenario: Increase asset uptime and optimization in green energy

**Solution:** Seeq technology is being used to create a network operation center (NOC) with telemetry systems for collecting and transmitting data from all equipment to the NOC for modeling, monitoring, and maintenance management.

### Scenario: Increase scalability and productivity of remote monitoring team

**Solution:** A vendor has introduced remote services for monitoring and managing tens of thousands of assets around the globe and is using Seeq to improve diagnostics capabilities. Other benefits are secure communications, team and customer collaboration, and scalability.

## The Seeq Decision Support Environment

The Seeq Decision Support Environment™ (DSE) is a complete infrastructure solution. This environment addresses the challenges of industrial process analytics by leveraging new software technologies, which works equally well for continuous and batch processes. All of Seeq capabilities are accessible via an API for industry-specific templates and third-party products.

### Seeq Workbench™

Seeq Workbench is a browser-based application (HTML5) for visual and interactive investigation of time series data. Seeq Workbench provides basic data visualization tools such as trending, charting, and grids, as well as innovative Visual Search and Capsule capabilities.

### Seeq Data Services Engine™

The Seeq Data Services Engine provides access to all of an organization's required manufacturing and business data, and can provide additional scalability, reliability, and storage capacity by scaling out across multiple server nodes.

### Seeq Source Data Connectors

Seeq connectors are currently available for OSIsoft PI, Excel, OPC HDA, OPC A&E, and various DCS systems.

### Seeq API

The Seeq REST API enables access to all data, functions, and objects in the Seeq Data Services Engine, which enables third-party industrial, visualization, and machine learning applications.

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