

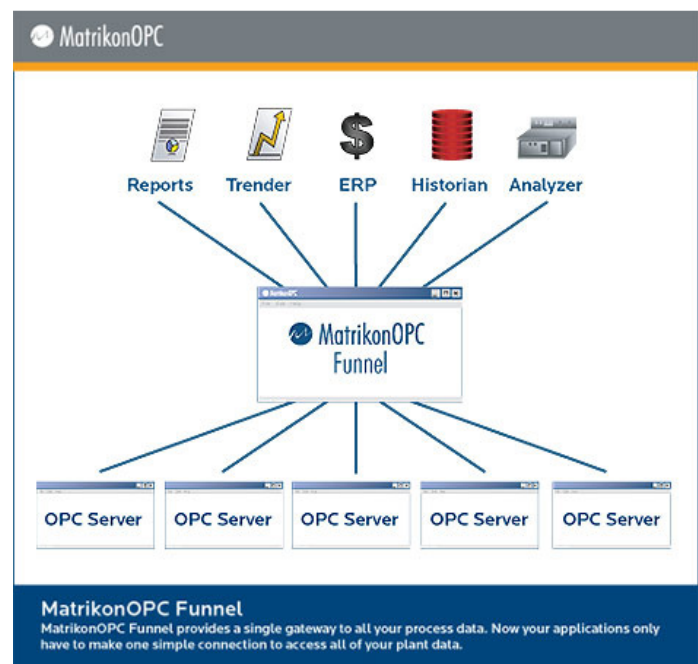
# OPC Funnel

MatrikonOPC Funnel provides a single gateway to all your process data. Now your applications only have to make one simple connection to access all of your plant data.

OPC Funnel provides a single gateway that enables OPC clients to easily connect to multiple OPC Servers. This is ideal in situations where a client, such as a process historian, can only make a single connection to a data source due to licensing restrictions, or perhaps where a poorly programmed OPC client is only able to make one connection to a single OPC server.

## Features include:

- Supports aliases: rename tags with useful descriptions to make it easier to configure clients
- Perform simple calculations for a specific point
- Single gateway to all your OPC data which reduces the connection cost to a historian
- Address consolidation
- Connect to non-compliant OPC servers and provide OPC Clients with OPC-compliant data
- Offline Mode: developed to aid system-integration; this functionality simplifies OPC Server configuration by allowing OPC Clients to access data from all configured OPC items even when the underlying data-source is not available.



For example: during plant commissioning; instead of delaying HMI graphic screen testing until the end of the project, when all the OPC Servers' data-sources are available - such tests can now be run at any time using the Offline Mode random test data.

## Funnel HDA Engine\*:

With Funnel's HDA Engine customers now have the option to consolidate all HDA OPC Servers into a single instance. This also enables customers to optimize HDA data throughput and Browsing for low performance HDA OPC Servers.

Other features supported are:

- HDA operations supported (Read Raw, Read Processed, Insert, and Insert and Replace)
- Provides OPC DA data from HDA OPC Servers.
- Ability to process raw data from the OPC Server and provide the data as processed data.
- Ability to perform multiple requests to fulfill a single large request from the OPC Client, to throttle requests to low performance HDA OPC Servers.
- Ability to throttle based on maximum number of items and maximum values per request.
- Reconnect and retry mechanism to seamlessly handle request failures.
- Exposes Item's HDA attributes for further analysis.

\*This engine is optional.

#### Supported OPC Specifications:

- OPC DA (OPC Data Access) 1.0a
- OPC DA (OPC Data Access) 2.0
- OPC DA (OPC Data Access) 2.05a
- OPC DA (OPC Data Access) 3.0
- OPC HDA (OPC Historical Data Access) 1.0, 1.1, 1.2

#### System Requirements:

##### PC Hardware

The following PC Hardware is required:

- Intel® Pentium® 4 Processor
- 512 MB RAM
- Minimum 32 MB of available hard disk space
- CD-ROM driver
- Super VGA (800 × 600) or higher-resolution monitor with 256 colors
- Mouse pointing device

##### PC Software

The following Windows Operating Systems will support this OPC Server:

- Windows 2000
- Windows XP
- Windows 2003

Features Include:

- Support for DDE
- Aliases for tag names



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